

United States Mission Control Center

Baseline Source Document

Version 1.0

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**United States Mission Control Center
Baseline Source Document**

1 Introduction

The National Oceanic and Atmospheric Administration (NOAA)/National Environment Satellite, Data, Information Service's (NESDIS) Direct Service Division (DSD) operates the United States Mission Control Center (USMCC) and 14 satellite ground stations referred to as Local User Terminals (LUT). The LUTs and USMCC provide the United States ground segment of the international Cospas-Sarsat Program.

NOAA assumed responsibility of USMCC operations in 1990 with the second generation USMCC which operated on an IBM mainframe computer. Components of the USMCC function were transferred to a PC-based system in 1993. The PC-based system has been replaced with software designed to run in a Windows NT environment using a SQL database server. The complete USMCC system is now comprised of software written in several languages and operating systems.

1.1 Purpose

The purpose of this document is to provide detailed information on the environment of all operational software within the USMCC system. Detailed description regarding the process flow is provided in [TBD]. The information in this document is provided to:

- 1) assist software maintenance personnel in maintaining USMCC software; and
- 2) serve as the baseline inventory for configuration management and provide input to IT architecture planning.

1.2 Scope

This baseline contains all software used operationally by the USMCC. Operational software is mission-critical or mission-support software used on a regular or periodic basis. Software created for special studies or analysis is not included in this document.

- End of Section 1-

2 Baseline Elements

Each software module (executable) or procedure is documented under the appropriate sub-system in the appendices. The following information about each module is included:

Program	The name, and directory information, of the executable module/procedure
Function	A short description about the module
Source Code	The name(s), and directory information, of the executable module and any sub-programs
Batch File	The name, and directory information, of the batch file (if one exists) that runs the module
Initiation	What initiates the program (e.g., timer, receipt of data, manual)
DLLs	Dynamic Link Libraries associated with the module
Configuration Files	The name(s), and directory information, of all configuration files
Input Data Files	The name(s), directory information, and type of all input data files
Output Data Files	The name(s), directory information, and type of all output data files
Registry	The subkey and key names
Processor	The physical machine that the module runs on operationally
Required Operating System	The standard operating system (e.g., DOS, Windows 95, Windows NT) on which the module runs
Required COTS	The minimum COTS required, and the version number, to execute the module
Actual COTS	The actual COTS, and version number, used in the current base-lined version of the module
Installation Procedure	The procedure to follow to install the module into operation
Build Procedure	The procedure to follow to build the executable module
Reference Documents	Documents that relate to the module

- End of Section 2 -

Appendix A

Alert Processing Sub-system (ALRT)

Program	\MccMain1\Alert\alrt.exe	Date: 7-15-1999
Function	The Alert process reads input Lut and Mcc 121 and 406 beacon solution data from the input database tables. It then validates the data and checks the solutions to see if any should have special handling from exceptions processing. Each solution is then processed through match merge to see if the beacon should open a new Alert Site, merge to an existing site and whether and what type of message should be generated. The SRRs are found based on the beacon location. From this information, appropriate output messages with appropriate destinations are generated and placed on the output tables to be sent out.	
Source Code	<p>The root directory for the source code is: \\MccNet\\SoftWare\\AlertProcessor\\AlertSourceCode\\. The following source files are contained in this directory:</p> <pre> .\alert406set.cpp .\alert406set.h .\alertstart.cpp .\dbalert.cpp .\dbalert.h .\dbusmcc.cpp .\dbusmcc.h .\dpgstruct2.h .\geosort.cpp .\geosort.h .\l123sset.cpp .\l123sset.h .\l406sset.cpp .\l406sset.h .\mmfuncs.cpp .\msg00001.bin .\myservice.cpp .\myservice.h .\nocr.cpp .\ntservapp.cpp .\ntservapp.h .\ntservice.cpp .\ntservice.h .\ntservmsg.h .\other406funcs.cpp .\s123set.cpp .\s123set.h .\s406dopset.cpp .\s406dopset.h .\s406nodopset.cpp .\s406nodopset.h .\secsincebstm.cpp .\secsincebstm.h .\sitlutdoc.cpp .\sitlutdoc.h .\sli406funcs.cpp .\solnlistitem.cpp .\solnlistitem.h .\alrtrouting\abelist123.cpp .\alrtrouting\abelist123.h .\alrtrouting\abelist406.cpp .\alrtrouting\abelist406.h .\alrtrouting\amblist123.cpp .\alrtrouting\amblist123.h .\alrtrouting\amblist406.cpp .\alrtrouting\amblist406.h .\alrtrouting\appdatastruct.cpp .\alrtrouting\appdatastruct.h .\alrtrouting\appfunction.cpp .\alrtrouting\applist.template .\alrtrouting\bablist406.cpp .\alrtrouting\bablist406.h .\alrtrouting\blockdef.h .\alrtrouting\cmplist123.cpp .\alrtrouting\cmplist123.h .\alrtrouting\cmplist406.cpp .\alrtrouting\cmplist406.h .\alrtrouting\comsitelist.cpp .\alrtrouting\comsitelist.h .\alrtrouting\mcctime.cpp .\alrtrouting\mcctime.h .\alrtrouting\missedpass.cpp .\alrtrouting\mpmsgprod123.cpp .\alrtrouting\mpmsgprod123.h .\alrtrouting\mpmsgprod406.cpp .\alrtrouting\mpmsgprod406.h </pre>	

.\alrtrouting\msgprod123.cpp	.\alrtrouting\nocrlist406.h
.\alrtrouting\msgprod123.h	.\alrtrouting\opmessage.cpp
.\alrtrouting\msgprod406.cpp	.\alrtrouting\reglist406.cpp
.\alrtrouting\msgprod406.h	.\alrtrouting\reglist406.h
.\alrtrouting\msgproducer.cpp	.\alrtrouting\unllist406.cpp
.\alrtrouting\msgproducer.h	.\alrtrouting\unllist406.h
.\alrtrouting\msgrouter.cpp	.\bcnsrc\bcn2def.c
.\alrtrouting\msgrouter.h	.\bcnsrc\beacon.cpp
.\alrtrouting\msgROUTmain.cpp	.\bcnsrc\bitlib.c
.\alrtrouting\nextpass.cpp	.\bcnsrc\genbch2.c
.\alrtrouting\nocrlist406.cpp	.\bcnsrc\getbcn.c
	.\include\baudotdf.h
	.\include\baudotdt.h
	.\include\bcnmanuf.h
	.\include\bcnmodel.h
	.\include\bdcodat.h
	.\include\bdecode.h
	.\include\beacon.h
	.\include\blockdef.h
	.\include\locprot.h

Batch File: N/A

Service Name: ALERTPROCESSOR.

Initiation On MccMain1 choose Services from the control Panel. In the Services window highlight “ALERTPROCESSOR” and click “Start”.

DLLs N/A

External Applications:

\\MCCNET\SOFTWARE\OPERATORINTERFACE\EXE PROGRAMS\SQLDOWNNOTIFIER.exe"

Configuration Files:

File Name	Type	Comments
Alert123ValidationCfg	SQL Table	
Alert124FilterCfg	SQL Table	
Alert406ValidationCfg	SQL Table	
\\MCCNET\Software\SarRegions\ALRTGEO	ASCII	
AlertOutputMessageSitCfg	SQL Table	
ComSiteCfg	SQL Table	

File Name	Type	Comments
LutCfg	SQL Table	
MccAlertRoutingCfg	SQL Table	
MccNocrRoutingCfg	SQL Table	
MidInfoCfg	SQL Table	
SarRoutingCfg	SQL Table	
SatCfg	SQL Table	
SystemParmCfg	SQL Table	

For purposes of listing input and output data files it is convenient to split the Alert program into two modules: Alert Processor responsible for generating alert sites and creating message types, and Message Routing responsible for determining appropriate routing and generating output messages and filling output tables. In most cases the output files for the Alert processor correspond to the input files for Message Routing.

Alert Processor:

Input Data Files:

File Name	Type	Comments
InputProcess	SQL Table	
InputMessage	SQL Table	
Lut121Header	SQL Table	
Lut121Solution	SQL Table	
Lut406Header	SQL Table	
Lut406Solution	SQL Table	
Sit121SolutionIn	SQL Table	
Sit406SolDopplerIn	SQL Table	
Sit406SolNoDoplrIn	SQL Table	
SitHeaderIn	SQL Table	

File Name	Type	Comments
AlertNonRedunSol	SQL View	
AlrtInProcVw	SQL View	
InProcMess	SQL View	
Lut121HeaderSolVw	SQL View	
Lut406HeaderSolVw	SQL View	
Lut406InterfererVw	SQL View	
Sit121HeaderSolVw	SQL View	
Sit406HeaderSolVw	SQL View	
Sit406NoDopVw	SQL View	

Output Data Files:

File Name	Type	Comments
Alert124FilterResults	SQL Table	
Alert123ValidationResult	SQL Table	
Alert406ValidationResult	SQL Table	
AlertMessageType	SQL Table	
AlertSite123MissedPass	SQL Table	
AlertSite123Pass	SQL Table	
AlertSite123Sol	SQL Table	
AlertSite123SRR	SQL Table	

File Name	Type	Comments
AlertSite123Sum	SQL Table	
AlertSite406Cluster	SQL Table	
AlertSite406MissedPass	SQL Table	
AlertSite406Pass	SQL Table	
AlertSite406Sol	SQL Table	
AlertSite406SRR	SQL Table	
AlertSite406Sum	SQL Table	

Message Routing

Input Data Files:

File Name	Type	Comments
AlertMessageType	SQL Table	
AlertSite123Srr	SQL Table	
AlertSite123Sum	SQL Table	
AlertSite123Sol	SQL Table	
AlertSite123Pass	SQL Table	
AlertSite123MissedPass	SQL Table	
AlertSite406Srr	SQL Table	
AlertSite406Sum	SQL Table	
AlertSite406Sol	SQL Table	
AlertSite406Pass	SQL Table	
AlertSite406Cluster	SQL Table	
AlertSite406MissedPass	SQL Table	
LutPassSchedule	SQL Table	

File Name	Type	Comments
RegistrationDB406	SQL Table	

Output Data Files:

File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	
Out121Solution	SQL Table	
Out121PrevSolution	SQL Table	
Out121NextPass	SQL Table	
Out121MissedPassSum	SQL Table	
Out121MissedPassSol	SQL Table	
Out406SolDoppler	SQL Table	
Out406SolNoDoplr	SQL Table	
Out406PrevSolution	SQL Table	
Out406NextPass	SQL Table	
Out406MissedPassSum	SQL Table	
Out406MissedPassSol	SQL Table	
Out406BcnDecode	SQL Table	

Registry

The service information is located in the key:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ALERTPROCESS

Furthermore the subkey:

\Parameters

Contains the information on the DSN. For the operational system this should read.

MccDSN = "MccOperational"

Processor MccMain1.

Required Operating System Windows NT

Required COTS:

Microsoft Visual C++ Version 5.0 (to compile only)

ODBC Compliant Database

ODBC Driver ver 2.6

Actual COTS:

Microsoft Visual C++ Version 5.0

SQL Server 6.5
ODBC Driver ver 3.6

**Installation
Procedure:**

Notes: The Operational host PC needs a DSN called MccOperational pointed at the MccOperational database.

Installation

1. Copy Executable
 - 1.1 Source \\MccNet\Software\AlertProcessor\AlertExe\Alrt.exe
 - 1.2 Destination c:\Alert\Alrt.exe on MccMain1 (create if it doesn't exist)
2. Install, setup and start the service
 - 2.1 Open a dos command prompt
 - 2.1.1 Run "C:\Alert\alrt.exe -i"
 - 2.1.2 If the program reports "Service already installed" then:
 - 2.1.2.1 Run "C:\Alert\alrt.exe -u" to uninstall
 - 2.1.2.2 Goto 2.1.1
 - 2.2 Open Control Panel
 - 2.3 Open the services control tool
 - 2.4 Set the "ALERTPROCESS" service startup to Automatic
 - 2.5 Set Logon to DSD\AlertServ with password of "alertserv"
 - 2.6 If the service is running on another PC using the same database, disable it there.
 - 2.7 Start the service locally.

BuildProcedure:

All instructions below refer to building the project in MS Visual C++ version 5.0.

To build the Alert Project:

1. Open new project.

- 1.1 Go to menu choose File->New...
- 1.2 Select Project tab
- 1.3 Choose Win32 ConsoleApp
- 1.4 Under Project Name, enter the project name (ex. Alrt).
- 1.5 Under Location enter the directory in which the project is to be built.

2. Add Files to Project.

- 2.1 In the WorkSpace, Right click "<Project Name> Files". Select Add Files To Project.
 - 2.1.1 When the browse window appears go to \\MccNet\SoftWare\AlertProcessor\AlertSourceCode.
 - .\
 - .\AlertSourceCode\ALRTRouting:
 - .\AlertSourceCode\BcnSrc:
 - 2.1.2 Select the following files from the following directories:

.\	All SourceFiles (.c,.cpp)
.\AlertSourceCode\ALRTRouting:	" "
.\AlertSourceCode\BcnSrc:	"Getbcn.c", "Bitlib.c", "Genbch2.c" , "beacon.cpp", "bcn2def.c"

3. Set Project Values.

- 3.1 Go to menu choose Project -> Settings
- 3.2 In box labeled "Settings for": select "All Configurations"
- 3.3 Add Additional include directories.
 - 3.3.1 Choose C++ Tab, go to pulldown menu select Preprocessor
In box titled "Additional Include Directories": Type:
<Dir of source>\AlertSourceCode\include,

<the project Directory> (if different from Source Directory)
Ex.
\\McCNet\\SoftWare\\AlertProcessor\\AlertSourceCode\\include,

C:\\Projects\\Alrt

3.4 Set RunTime Library

- 3.4.1 Choose C++ Tab, go to pulldown menu select Code Generation
- 3.4.2 In "Settings for" Select Win32Release
 - 3.4.2.1 In box labeled Use Run Time Libraries select Multithreaded [DLL]
 - 3.4.3 In "Settings for" Select Win32Debug
 - 3.4.3.1 In box labeled Use Run Time Libraries select Debug Multithreaded [DLL]
- 3.5 Set link preferences
 - 3.5.1 Go to Link Tab. Un-check Link incrementally.

4.

Build Project

- 4.1 For Release Build: Go to main menu choose Build->Set Active Configuration
 - select Win32Release.
- 4.2 Go to main menu choose Build. Select Build <project name>. Or Rebuild All.

Reference

Documents

Alert Process Design Specification in \\mccnet\\document\\DesignDocuments\\McCAlrtDesignVol?.wpd (where ? = 1 - 4)

COSPAS-SARSAT Mission Control Centres Standard Interface Description (C/S A.002)
Specification for COSPAS-SARSAT 406 MHz Distress Beacons (C/S T.001)
406 MHz Beacon Coding Guidelines for USA National Use Fields
SGLUT Data Transfer Specifications (DTS)

- End of Section 2 -

Appendix B
Communications Sub-system (COMM)

B.1**Communications Output Message Converter**

Program: \\McCernet1\Appsdata\Com\Bin\Converter.EXE **Date:** 10 June 1999

Function: Convert output messages to RCCs, SPOCs and MCCs to proper format and pass output messages to Communications for transmission.

Source Code: Modules CvtMain.c, CvtMsg.c and CvtSql.c in directory \\usmcc\public\source_code\cvtr.
Various utility modules in directory \\usmcc\public\source_code\util.

Batch File: \\McCernet1\Appsdata\Com\Config\CvtrDo.Bat

Initiation: When the host Windows NT PC starts, the CvtrDo.Bat job is automatically run to start the Converter executable.

Periodically, Converter checks for new Output to send in the OutputProcess SQL table, for Output Messages sent by Com in the “Com Sent” directory, and for Output Messages that Com failed to send in the “Com Error” directory.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\McCernet1\Appsdata\Com\Config\Cvtr.Run	ASCII	
\\McCernet1\Appsdata\Com\Config\CvtMsg.Cfg	ASCII	
ComCfg	SQL Table	
ComSiteCfg	SQL Table	
ComX25PathCfg	SQL Table	
ComEmailPathCfg	SQL Table	
CCvtOutputMessageSitCfg	SQL Table	
\\McCernet1\Appsdata\Com\Bin\OutM2Com.Bat	ASCII	
\\McCernet1\Appsdata\Com\Bin\MoveToArchive.Bat	ASCII	

Input Data Files:

File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	

File Name	Type	Comments
\McCarnet1\appsdata\com\sent\?SITENM_?CUR? _?ST.TXT where ?SITENM_ = ComSiteName, ?CUR?_ = Current Message Number, ?ST = Sit Number	ASCII	
\McCarnet1\appsdata\com\error\CVTRHHMM. @DY where HH = hour, MM = minutes, @DY= day of year	ASCII	

Output Data Files:

File Name	Type	Comments
OperMsgLog	SQL Table	
ComCfg	SQL Table	
ComSiteCfg	SQL Table	
OutputProcess	SQL Table	
\McCarnet1\appsdata\com\log\?SITENM_?OTPR OC_?CUR?_?ST.txt where ?SITENM_ = ComSiteName, ?OTPROC_ = OutputProcId, ?CUR?_ = Current Message Number, ?ST = Sit Number	ASCII	
\McCarnet1\appsdata\com\log\?SITENM_?CUR? _?ST.TXT where ?SITENM_ = ComSiteName, ?CUR?_ = Current Message Number, ?ST = Sit Number	ASCII	
\McCarnet1\appsdata\com\log\CVTRHHMM.@ DY .where HH = hour, MM = minutes, @DY= day of year	ASCII	

Registry: None

Processor: MccSarnet1

**Required
Operating
System:** Windows 95

Required COTS: Microsoft Visual C++, 5.0 (or higher), ODBC Driver 2.6

Actual COTS: Microsoft Visual C++, 5.0, ODBC Driver 3.6

**Installation
Procedure:** Run Install.bat from a DOS prompt, following the instructions contained within it. Install.Bat resides in the Converter source code directory.

**Build
Procedure:** Compile and link all associated source modules from PC with appropriate C compiler loaded

**Reference
Documents:** \\McCNet\Documents\RCCMessages\RccMsgs.wpd,
Latest Issue of C/S A.002, Standard Interface Description

B.2 Communications Input Message Converter

Program

Input Mcc and Lut Converter

Function

This program takes input data from the Communications module and puts it to the appropriate database tables. A separate thread passes output LUT data to Communications in order to communicate with the LUT.

Source Code

\mccnet\software\Communication\MccSarnet1\Com\Project\CCvtSrc\

Batch File

\Mccsarnet1\Com\Bin\CommIcvtStartup.bat

Initiation

The program is initiated manually through a shortcut to CommIcvtStartup.bat on the MccSarnet1 desktop.

DLLs N/A

Configuration Files

File Name	Type	Comments
LutCfg	SQL Table	
ComSiteCfg	SQL Table	
ComX25PathCfg	SQL Table	
InputMessageLutCfg	SQL Table	
InputMessageSitCfg	SQL Table	
SitMsgFldFormatCfg	SQL Table	
USLutCfgVw	SQL View	

Input and Output Data Files:

The input and output Converter threads handle input and output data separately. Therefore each is contained in a separate section.

B.2.1 Converter Input Thread:

The Input thread reads data from the Communication module (from the ComIO file or a named Pipe), performs appropriate validation and conversion, and writes it to the Input message tables, so that the input data may be processed by applications.

Input Data Files:

Input File Name	Type	Comments
D:\Com\ComIo\ YYYY-MM-DDComIo.064, Where: YYYY is the 4 digit year, MM is the 2 digit Month and DD is the 2 digit Day	Binary File	Input data received from Comm (ComIo File); On MccSarnet1 PC
\.\PIPE\ComToCvtNpQ	Named Pipe	Input data received from Comm

Registry

Output Data Files:

The output files for the input thread are the SQL input data tables

Output File Name	Type	Comments
InputMessage	SQL Table	
InputProcess	SQL Table	
Lut121Header	SQL Table	
Lut121Solution	SQL Table	
Lut406Header	SQL Table	
Lut406IntSolution	SQL Table	
Lut406Solution	SQL Table	
LutNarTextIn	SQL Table	
LutOrbitVectorIn	SQL Table	
LutPassStart	SQL Table	
LutPcr	SQL Table	
LutSchedItemIn	SQL Table	
LutSchedSumIn	SQL Table	
LutStatus	SQL Table	
LutTagBufferIn	SQL Table	
LutTimeCalIn	SQL Table	
Sit121SolutionIn	SQL Table	
Sit406IntSolution	SQL Table	
Sit406SolDopplerIn	SQL Table	
Sit406SolNoDoplrIn	SQL Table	
SitHeaderIn	SQL Table	
SitNarTextIn	SQL Table	
SitOrbitVectorIn	SQL Table	
SitOrbVecSatHdrIn	SQL Table	
SitTimeCalIn	SQL Table	

UnconvertedIn	SQL Table	
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B.2.2 Converter Output Thread:

The Output thread gets input from the database output tables and converts the data to binary messages to give to Communications.

Input Data Files:

Input File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	
LutDPSatDumpPrintRequest	SQL Table	
LutChangeSchedRequestOut	SQL Table	
LutOrbitVectorOut	SQL Table	
LutSchedItemOut	SQL Table	
LutSchedSumOut	SQL Table	
LutStatusForDP	SQL Table	
LutTimeCalOut	SQL Table	

Output Data Files:

Output File Name	Type	Comments
\.\PIPE\CvtToComNpQ	Named Pipe	

Registry

The Registry Key for this program is :

\MCCSarnet1\HKEY_LOCAL_MACHINE\Software\Mcc\Com\CCVT

These values are set in this key:

Registry	Type	Comments
CioFileName	Registery value	The name of the Current ComIO file.
CioPathName	Registery value	The Path of the ComIOFile Directory.
DoInput	Registery value	“1” to run output thread “0” to not
DoOutput	Registery value	“1” to run output thread “0” to not
ODBCDSN	Registery value	The DSN Name used. e.g. MccOperational
PipeName	Registery value	Name of the Named Pipe used for input data
PipeNameOut	Registery value	Name of the Named Pipe used for output data

Required Operating System Windows NT 4.0

Required COTS

Microsoft Visual C++ Version 5.0 (to compile only)
ODBC Compliant Database
ODBC Driver ver 2.6

Actual COTS:

Microsoft Visual C++ Version 5.0
SQL Server 6.5
ODBC Driver ver 3.6

Installation Procedure

To install the module into operation it is necessary to set the registry values as described above, and copy the executable (ICVT.exe) to the \\Mccsarnet1\Com\Bin\Release directory. An ODBC Data Source using the name in the Registry key "ODBCDSN" must be set up and connected to the MccOperational Database.

Build Procedure:

<Main> is the root directory for the source and header files.
<Proj> is the root directory for the Workspace and project.

1. Open New Convert project.
 - 1.1 Goto New... Project
 - 1.2 select Win32 Console App.

2. In the File view of the workspace Add all the source Files (c.cpp) in:

<Main>
<Main>\LutCnvt
<Main>\SitCnvt

As well as these files from:

SharedCode\Beacon:
"Genbch2.c" "beacon.cpp" "Bitlib.c" "Bcn2def.c"

SharedCode\Time:
"McCTime.h" "McCTime.cpp"

SharedCode\Db:
"DbUSMCC.cpp"

3. Modify the Project settings from the main Menu.

- 3.1 Under Project go to Settings...
 - 3.2 Settings for: "AllConfigurations"
 - 3.3 check C/C++ Tab pulldown menu-Preprocessor.

Additional include Directories:

..\\SharedCode\\Beacon,<Main>, ..\\SharedCode\\Time

Ex.

J:\\SharedCode\\Beacon,J:\\CCVTSrc,J:\\SharedCode\\Time

- 3.4 under Debug -> General Program Arguments:

\\Software\\McC\\Com

Reference Documents:

\Mccnet\Document\DesignDocuments\ICVT\CVTRDES.TXT

B.3 Communications Processor

Program: \\McC-Sarnet1\Com\Bin\Comm.exe

Function: Communicate with LUT, MCC, and RCC via X25, X400, and FTP

Source Code: \\McC-Sarnet1\Com\Src\Comm

Batch File: \\McC-Sarnet1\Com\Bin\ComICvt.bat

The batch file starts both Communication and Input Converter software.

Initialization: To start the program manually

Double click the shortcut icon for the batch file ComICvt.bat

DLLs: none

Configuration Files:

File Name	Type	Comments
ComSiteCfg	SQL Table	
ComX25PathCfg	SQL Table	
ComEmailPathCfg	SQL Table	

Notes:

1. A FTP communication path is configured in ComEmailPathCfg table. For a remote FTP server, the required configuration parameters are IP address of the server, login USERID, login PASSWORD, and the directory to put files. These parameters are set in the following fields in ComEmailPathCfg table,

IP address of the remote server	ToEmailAdr
USERID to login the server	FromEmailAdr
PASSWORD to login the server	VerifyFromEmailAdr
Directory to put files	VerifyToEmailAdr

2. Online flag in ComX25PathCfg and ComEmailPathCfg tables is used by the communication software to determine Online/Offline status of the ComSite.
3. Any change in the ComX25PathCfg and ComEmailPath tables only takes effect after communication application is rebooted.

Input Data Files:

File Name	Type	Comments
Output message files from output converter Folder: \\McC-Sarnet1\Com\OutputX25 \\McC-Sarnet1\Com\OutputEmail Offline messages from offline process Folder: \\McC-Sarnet1\Com\InFolder Input messages from other MCCs Folder: \\USMcc\Ftp\MccInputOps\??Mcc	ASCII File	

Notes:

Files in OutputX25 and OutputEmail folders are sent out to the other ComSites. Files in InFolder and ??McC folders are sent to the input converter.

Output Data Files:

File Name	Type	Comments
Files sent unsuccessfully Folder: \\McC\Com\Error	ASCII File	
Files sent successfully Folder: \\McC\Com\Sent	ASCII File	
LUT Input/Output, MCC Input Folder: \\McC\Com\ComIo\ yyyy-mm-ddComIo.064	ASCII File	
OperMsgLog	SQL Table	

Registry:

2. Software\MCC\Com\OutputX25 - Directory to put output files sent by X25 path
3. Software\MCC\Com\OutputEmail - Directory to put output files send by X400 and FTP path
4. Software\MCC\Com\ErrorFiles - Directory to put files which COMM failed to send
5. Software\MCC\Com\SentFiles - Directory to put files which COMM sent out successfully
6. Software\MCC\Com\TempFiles - Directory to put temporary files
7. Software\MCC\Com\ArchiveFiles - Directory to save archive files
8. Software\MCC\Com\FtpInDirPath - Directory to find files which other MCCs put on USMCC FTP server
9. Software\MCC\Com\ODBCDataSourceName - Database to be used by COMM
10. Software\MCC\Com\ComIoFile - Directory to put ComIoFile
11. Software\MCC\Com\ComToCvtNamedPipe - Name of named pipe from COMM to CCVT
12. Software\MCC\Com\CvtToComNamedPipe - Name of named pipe from CCVT to COMM
13. Software\MCC\Com\ComMapiProfileName - Profile used by the MAPI session of COMM

Processor McC\Com\OutputX25

Required:

Operating

System

Required: Windows NT

COTS: ODBC Driver 3 and above

Actual COTS: ODBC Driver 3.6

Installation Procedure: Move the executable file Comm.exe from compiling computer to the folder D:\Com\Bin on McC\Com\OutputX25 computer

Build Procedure: Build the project Comm.dsp on the computer configured properly; Make sure the X25 library is the latest version

Reference Documents: \\McC\Com\OutputX25\ComProgDesignSpecPrev.wpd

B.4 Communications LUT Check (LutComCheck)

Program: D:\Com\Aspect\LutComCheck\LutComCheck.wax **Date:** 28 March 2000

Function: Check the condition of network and dialed communications with each LUT

Source Code: D:\Com\Aspect\LutComCheck\LutComCheck.was

Batch File: D:\Com\Bin\LutComCheck.bat

Initialization: Launched by Procomm Plus 32 Scheduler. The DSD/ComService account has a shortcut in the startup directory that runs “D:\Program Files\Procomm Plus\programs\pwsche32.EXE” minimized from the “D:\Program Files\Procomm Plus\PROGRAMS” directory. LutComCheck for individual LUTs may also be run manually for each LUT using shortcuts on the desktop.

DLLs: None

Configuration Files:

File Name	Type	Comments
D:\Com\Aspect\LutComCheck\LutComCheck.ini	ASCII File	

Input Data Files: None

Output Data Files:

File Name	Type	Comments
D:\Com\Archive\yyyy-mm-dd\LutComCheck*:.	ASCII File	

Registry Entries: None

Processor: MccSarnet1

Operating System: Windows NT 4 SP 5

COTS: Procomm Plus 32 Version 4.7

Actual COTS: Procomm Plus 32 Version 4.7

Installation Procedure: Copy \\MccNet\Software\Communications\LutComCheck\ to D:\Com\Aspect\
Copy \\MccNet\Software\Communications\LutComCheck\ to D:\Com\Bin\
Install Procomm Plus 32 Version 4.7 and add the scheduler to ComService startup group.
Add the following schedule to the scheduler

D:\Com\Bin\LutComCheck.bat CALUT	Mondays	15:15 PM
D:\Com\Bin\LutComCheck.bat GULUT	Tuesdays	02:15 PM
D:\Com\Bin\LutComCheck.bat AKLUT	Tuesdays	16:15 PM

D:\Com\Bin\LutComCheck.bat HILUT	Wednesdays	17:15 PM
D:\Com\Bin\LutComCheck.bat PRLUT	Thursdays	11:15 PM
D:\Com\Bin\LutComCheck.bat TXLUT	Fridays	13:15 PM

Build Procedure: Compile with Procomm Plus 32 Version 4.7

Documents Referenced: None

B.5 Communications Naval Orbit Vector Retrieve (NavalOrbitVecGet)

Program: D:\Com\Aspect\NavalOrbitVec\NavalOrbitVecGet.wax **Date:** 28 March 2000

Function: Retrieve orbit vectors from the naval BBS

Source Code: D:\Com\Aspect\NavalOrbitVec\NavalOrbitVecGet.was

Batch File: D:\Com\Bin\NavalOrbitVecGet.bat

Initialization: Launched by Procomm Plus 32 Scheduler. The DSD/ComService account has a shortcut in the startup directory that runs “D:\Program Files\Procomm Plus\programs\pwsche32.EXE” minimized from the “D:\Program Files\Procomm Plus\PROGRAMS” directory. Naval orbit vector gets can also be run manually.

DLLs: None

Configuration Files:

Configuration Data File Name	Type	Comments
D:\Com\Aspect\NavalOrbitVec\NavalOrbitVecGet.ini	ASCII File	

Input Data Files: None

Output Data Files:

File Name	Type	Comments
\USMCC\Vol1\Manage.mcc\OrbitVec\Naval2Ln.dat	ASCII File	
\McCNet\Software\Communications\NavOrbVec*.*	ASCII File	

Registry Entries: None

Processor: McCNet

Operating System: Windows NT 4 SP 5

COTS: Procomm Plus 32 Version 4.7

Actual COTS: Procomm Plus 32 Version 4.7

Installation Procedure: Copy \McCNet\Software\Communications\NavOrbVec to D:\Com\Aspect
Copy \McCNet\Software\Communications\NavOrbVec to D:\Com\Bin
Install Procomm Plus 32 Version 4.7 and add the scheduler to ComService startup group.
Add the following schedule to the scheduler

D:\Com\Bin\NavalOrbitVecGet.bat

Daily at: 09:35 PM 10:05 PM 10:35 PM 11:05 PM

11:35 PM 12:05 PM 12:35 PM 13:05 PM 14:55 PM

Build Procedure: Compile with Procomm Plus 32 Version 4.7

Documents Referenced: None

Appendix C
System Data Sub-system (SDAT)

C.1 LUT Pass Schedule Generation

Program: \\UsMcc\Vol1\Apps\Dbpgms\Mon\Mpas.EXE **Date:** 15 July 1999

Function: Generate Pass Schedules to determine which satellites passes will be taken by U.S. LUTs

Source Code: Fortran Modules (MPAS, MCLU6, MDNUC, MEFIC, MEQUATR, MGST, MHORZR, MICCL, MICEF, MICGS, MLOC, MONBD, MONCFG, MPASBLD, MPASMSG, MPASMSV, MPASRES, MPASWND, MPASXT, MPOS, MPRED, MPU6T, MU6CL, MU6IC, MYSGP4, SGP4OV and SGP4ORB) in directory \\usmcc\vol1\Apps\Fortran\Mon
 Fortran Utility modules (UGETPRM, UGETFIL, UIDT2C, UITM2C, UDTM2I, UBITON, UBTTST, UC2RD, UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C, UDTM2C, UC2I, UI2CHX, UB2CHX, URD2C, UPAD, URDEG2C, UTABLE, UXMSGBD, UXMSG, UXMAN, USPACK, UFILCPY and NARMSG) in directory \\usmcc\vol1\Apps\Fortran\All.

Note that all Fortran modules have an extensions of .For; eg., Mpas is named Mpas.For.

Batch File: \\UsMcc\Vol1\Apps\Dbfs\Mon\MpasDo.Bat

Initiation: The Pass Schedule Generation (MpasDo.Bat) job is run daily on a timer controlled by the IppDo.Bat job. The IppDo.Bat job automatically runs when the host DOS PC starts. It initiates the \\UsMcc\Vol1\Apps\Dbfs\Mon\MpasTmr.Bat job, which initiates the MpasDo.Bat job.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\Mpas.Run	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Mpas.Cfg	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Users\Mcc\Msgs\HourVecs.?? where ?? = the Satellite Identifier	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Ovout.?? where ?? = the Satellite Identifier	ASCII	

Output Data Files:

File Name	Type	Comments
\UsMcc\Vol1\Apps\Dbfs\Mon\MpasLst.@Dy where @DY= day of year	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\Resolve.@Dy where @DY= day of year	ASCII	
\UsMcc\Vol1\Users\Mcc\Sams\PSched.Sam	ASCII	
\UsMcc\Vol1\Users\Mcc\Lmdb\SchedDay.@Dy where @DY= day of year	ASCII	
\UsMcc\Vol1\Users\Mcc\Sams\SchedSam.Ptr	ASCII	
\UsMcc\Vol1\Users\Mcc\Lmdb\Schedlog.Cur	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\Ovout??J.S2 Where ??J = the day of year	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\Ovout.?? where ?? = the Satellite Identifier	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\Sched???.PRI where ??? = LUT name	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\Sched???.ALT where ??? = LUT name	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\Sched???.RCC where ??? = LUT name	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\SchedDY?.RC C where ? = relative day of Pass Schedule (0 - 9)	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\SchedKor.Vis	ASCII	

Registry: none

Processor: UsMcc

Required Operating System: DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

**Installation
Procedure:** Process runs on any PC with access to the associated Processor

**Build
Procedure:** From PC with appropriate Fortran compiler loaded, go to Source library where application software resides. Run Fortran.bat to set environmental variables. Run Fc.bat to compile each source module. Run MpasLnk.bat to link the executable.

**Reference
Documents:** U.S. LUT Data Transfer Specification, 1993

C.2

LUT Pass Schedule Verification

Program: \\UsMcc\Vol1\Apps\Dbpgms\Mon\MpasChk.EXE **Date:** 15 July 1999

Function: Verify the Pass Schedule that determines which satellites passes will be taken by U.S. LUTs

Source Code: Fortran Module MPASCHK in directory \\usmcc\vol1\Apps\Fortran\Mon
Fortran Utility modules (UGETPRM, UGETFIL, UIDT2C, UITM2C, UDTM2I, UBITON,
UBITTST, UC2RD, UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C,
UDTM2C, UC2I, UI2CHX, UB2CHX, URD2C, UPAD, URDEG2C, UXMSGBD, UXMSG,
UXMANT, USPACK, UFILCPY and NARMSG) in directory \\usmcc\vol1\Apps\Fortran\All.
Note that all Fortran modules have an extensions of .For; eg., MpasChk is named MpasChkFor.

Batch File: \\UsMcc\Vol1\Apps\Dbfs\Mon\MpasCkDo.Bat

Initiation: The Pass Schedule Verification (MpasCkDo.Bat) job is run daily on a timer controlled by the IppDo.Bat job. The IppDo.Bat job automatically runs when the host DOS PC starts. It initiates the MpasTmr.Bat job (daily), which initiates the MpasCkDo.Bat job.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\MpasChk.Run	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Mpas.Cfg	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Users\Mcc\Msgs\Sched???.PRI where ??? = LUT name	ASCII	
\\UsMcc\Vol1\Users\Mcc\Msgs\Sched???.ALT where ??? = LUT name	ASCII	

Output Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\MpasLstC.@Dy where @DY= day of year	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\MpasChk.Msg	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	

File Name	Type	Comments
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	

Registry: none

Processor: UsMcc

Required Operating System: DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

Installation Procedure: Process runs on any PC with access to the associated Processor

Build Procedure: From PC with appropriate Fortran compiler loaded, go to Source library where application software resides. Run Fortran.bat to set environmental variables. Run Fc.bat to compile each source module. Run MpasCLnk.bat to link the executable.

Reference Documents: U.S. LUT Data Transfer Specification, 1993

C.3

Propagate Orbit Vectors Using the "SGP4" Model

Program: \\UsMcc\Vol1\Apps\Dbpgms\Mon\Sgp4.EXE **Date:** 20uly 1999

Function: Propagate Orbit Vectors for U.S. LUTs and foreign MCCs, using the SGP4 model

Source Code: Fortran Modules (SGP4, MYSGP4, SGCHKOV, SOVMSG, SGP4ORB, MICEF, MGST, MDNUC, OVGETTM, SGP4BD) in directory \\usmcc\vol1\Apps\Fortran\Mon
Fortran Utility modules (UGETPRM, UGETFIL, UIDT2C, UITM2C, UDTM2I, UC2RD, UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C, UDTM2C, UC2I, UI2CHX, UB2CHX, URD2C, UPAD, UXMSGBD, UXMSG, UXMAN, USPACK and UFILCPY) in directory \\usmcc\vol1\Apps\Fortran\All.
Note that all Fortran modules have an extensions of .For; eg., the full name of Sgp4 is Sgp4.For.

Batch File: \\UsMcc\Vol1\Apps\Dbfs\Mon\SGP4Do.Bat, \\UsMcc\Vol1\Apps\Dbfs\Mon\SGP4ADo.Bat, \\UsMcc\Vol1\Apps\Dbfs\Mon\SGP4SDo.Bat

Initiation: The Orbit Vector propagation jobs (Sgp4Do.Bat, Sgp4SDo.Bat, Sgp4aDo.Bat, Sgp4Goes.Bat) run at least once a day on a timer controlled by the IppDo.Bat job. The IppDo.Bat job automatically runs when the host DOS PC starts. It initiates the \\UsMcc\Vol1\Manage.Mcc\Orbitvec\Ov4TelMc.Bat job, which initiates the \\UsMcc\Vol1\Manage.Mcc\Orbitvec\Ov4MCC2.Bat job. In turn, this Batch job runs 4 Batch jobs (Sgp4Do.Bat, Sgp4SDo.Bat, Sgp4aDo.Bat, and Sgp4Goes.Bat), from the \\Usmcc\Vol1\apps\dbfs\mon directory. These batch job generate orbit vectors for 1) Cospas satellites, 2) Sarsat satellites, 3) Cospas and Sarsat satellites, and 4) Goes satellites.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\Sgp4?.Run where ? = ‘’, ‘S’, ‘C’ or ‘G’	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Manage.Mcc\Orbitvec\Naval2In.Dat	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Ov?YMMDD.N O@ where ?YMMDD= the Date of Orbit Vector, and @ = ‘R’, ‘G’, ‘S’ or ‘A’	ASCII	

Output Data Files:

File Name	Type	Comments
\UsMcc\Vol1\Apps\Dbfs\Mon\Sgp4Lst?.@Dy where @DY= day of year and ? = ‘’, ‘S’, ‘C’ or ‘G’	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\OvSgp4O@.?? where @ = ‘T’ or ‘A’, and ??= the Satellite Identifier	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\Ovout.?? where ?? = the Satellite Identifier	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs?\YMMDD.21 @ where ?YMMDD= the Date of Orbit Vector, and @ = ‘5’, ‘G’, ‘S’ or ‘A’	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs?\YMMDD.91 @ where ?YMMDD= the Date of Orbit Vector, and @ = ‘5’, ‘G’, ‘S’ or ‘A’	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\InputSit.Tm@ where @ = ‘P’, ‘G’, ‘S’ or ‘A’	ASCII	
\UsMcc\Vol1\Users\Mcc\Msgs\InputSit.Ms@ where @ = ‘G’, ‘O’ or ‘A’	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\Ov?YMMDD.N O@ where ?YMMDD= the Date of Orbit Vector, and @ = ‘R’, ‘G’, ‘S’ or ‘A’	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\OVCur@.Nor where @ = ‘’, ‘G’, ‘S’ or ‘A’	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	

Registry: none

Processor: UsMcc

Required Operating System: DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

Installation

Procedure: Process runs on any PC with access to the associated Processor

Build

Procedure: From PC with appropriate Fortran compiler loaded, go to Source library where application software resides. Run Fortran.bat to set environmental variables. Run SGP4Fort.bat to compile each source module. Run Sgp4Lnk.bat to link the executable.

Reference

Documents: Latest Issue of C/S A.002, Standard Interface Description

C.4	Update SQL 406 MHz Registration Database table
Program	\MccNet\Software\SystemData\RegExchang\REGEXCH.exe
Function	The procedures within the application REGEXCH are designed to keep the SQL registration Data Base up to date by keeping track of new records inserted in the DBASE files and or records that have been modified/deleted.
Source Code	\MccNet\Software\SystemData\RegExchang\RegExchange.vbp
Batch File	The Visual Basic script \MccMain1\SystemData\UpdateReg.vbs calls the object (RunWatch) that resides in the RegExchange project.
Initiation	Operating System NT's 'Scheduled Tasks' Application calls this script.
DLLs	None
Configuration Files	The SQL tables SystemParmCfg and OperMsgCfg are used by the RegExchange application.
Input Data Files	The DBASE files \USMCC\vol1\apps\dbfs\RG406DB and RG406Log
Output Data Files	SQL Tables OperMsgLog and RegistrationDB406
Registry	In order for the script to work, every re-compilation of the code must be registered in the computer where it is called. (Use DCOMcnfg to view the RegExchange properties)
Processor	\MccMain1
Required Operating System	Windows NT
Required COTS	SQL ODBC Driver 6.5, VB 5.0
Actual COTS	SQL ODBC Driver 6.5, VB 5.0
Installation Procedure	To install, it is recommended that any old keys referencing the re-compiled code of REXECH.exe be deleted. This can be done by running RegEdit to view current RegExchange-keys on the computer where the software will be installed.
Build Procedure	The application must be compiled using Visual Basic. The application must be built as an ActiveX executable.
Reference	

Documents \\\McCNet\Software\SystemData\RegExhcange\RegExchange.wpd

C.5	Generate Daily SARRTelemetrySummary (DailySARRTelmSumTimer)
Program	SQL stored procedure ‘DailySARRTelmSumTimer’
Function	To generate SARR telemetry message to CMCC on a daily basis. DailySARRTelmSumTimer executes TelemDailyInputMSG to generate telemetry messages and the application TELEMETRY.exe gets activated.
Source Code	SQL stored procedure ‘DailySARRTelmSumTimer’
Batch File	None
Initiation	SQL task Scheduler: SARR_Telemetry_Daily_Timer. This task gets activated daily at 1600z.
DLLs	None
Configuration Files	Within stored procedure.
Input Data Files	None
Output Data Files	SQL table OperMsgLog
Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code within SQL server.
Reference Documents	None

C.6	Generate Monthly SARP Telemetry Summary (MonthlySARPTelmSumTimer)
Program	SQL stored procedure ‘MonthlySARPTelmSumTimer’
Function	To generate SARR telemetry message to FMCC on a monthly basis. MonthlySARPTelmSumTimer updates a flag in the SQL table SatCfg that is needed by the application TELEMETRY.exe to generate the telemetry data.
Source Code	SQL stored procedure ‘MonthlySARPTelmSumTimer’
Batch File	None
Initiation	SQL task Scheduler: SARP_Telemetry_Monthly_Timer . This task gets activated monthly on the first day of the month.
DLLs	None
Configuration Files	

Configuration Data File Name	Type	Comments
SatCfg	SQL Table	

Input Data Files	None
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Output Data Files	
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File Name	Type	Comments
SatCfg	SQL Table	
OperMsgLog	SQL Table	

Registry	None
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Processor	SQL MccDBS
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Required Operating System	WinNT 4.0
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Required COTS	SQL Server 6.50
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Actual	
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COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code within SQL server.
Reference Documents	None

C.7**Sending Orbit Vectors to all LUTs (SENDVECTORSTOALLLUTS)**

Program	SQL stored procedure ‘SENDVECTORSTOALLLUTS’
Function	This procedure obtains all active satellites from the SQL table SatCfg and sends the orbit vectors of selected satellites to each LUT using the stored procedure SATVECTORSTOALLLUTS. This latter function creates Orbit Vector messages to send to each LUT using the SQL tables ComSiteCfg, LUTCfg, OrbitVector, LutOrbitVectorOut, OutputProcess and OutputMessage.
Source Code	SQL stored procedure ‘SENDVECTORSTOALLLUTS’
Batch File	None
Initiation	SQL task Scheduler: two timers are used. The first one Send_Lut_Orbit_Vectors1 executes the stored procedure daily at 0010z, the second one: Send_Lut_Orbit_Vectors2 at 1205z
DLLs	None

**Configuration
Files**

Configuration Data File Name	Type	Comments
SatCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
OrbitVector	SQL Table	

**Output Data
Files**

File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	
LutOrbitVector	SQL Table	
OperMsgLog	SQL Table	

Registry None

Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code within SQL server.
Reference Documents	None

C.8 Store Orbit Vectors to SQL table (SatVec.vdp)

Program: \\McCMain1\SystemData\ReadOrbvects_Opr (visual basic script)

Function: The script calls the SatVec.DLL's functions which reads ASCII orbit vectors into SQL tables.

Source Code: \\McCNet\Software\SystemData\SatVec\SatVec.vbp

Initiation: The McCMain1 NT Scheduled task ReadOrbVcts_Opr calls the script daily at 23:58z

DLLs: The ReadOrbvects_Opr.vbs uses SatVec.DLL.

Configuration

Files

Configuration Data File Name	Type	Comments
SystemParmCfg	SQL Table	
SatCfg	SQL Table	

Input Data

Files

File Name	Type	Comments
\\McCNet\vol1\users\mcc\msgs\OVSGP4OT.[S at-Name]	ASCII	

Output Data

Files

File Name	Type	Comments
OrbitVector	SQL Table	
OperMsgLog	SQL Table	

Registry: The ReadOrbvects_.vbs (visual basic script) must have the SatVec.DLL properly registered in the PC where it will run.

Processor: \\McCMain1

**Required
Operating
System:** WNNT4.0

Required COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Installation

Procedure: To register the DLL in the MccMain1, run:
regsvr32 C:\SystemData\SatVec.DLL

Build

Procedure The application must be compiled using Visual Basic and be built as a DLL.

Testimonial

Documents: None

C.9**Process SARSAT Telemetry Data**

Program: \\McCDBs\Telemetry\Telemetry.EXE **Date:** 8 June 1999

Function: Process SARSAT telemetry data from CEMSCS and generate out-of-limit messages and periodic reports for Canada and France.

Source Code: Modules TelMain.c, TelMsg.c and TelSql.c in directory \\usmcc\public\source_code\telm. Various utility modules in directory \\usmcc\public\source_code\util.

Batch File: None

Initiation: On the McCMain1 PC, the Windows NT Task Scheduler periodically runs \\McCMain1\SystemData\Check.Vbs, which checks for new telemetry data in directory \\usmcc\ftp\nesdis-ipd. When new data is found, SQL Stored Procedure “TelemInputMessage” inserts an InputMessage entry in the SQL database for the new data and the Telemetry Executable is started on the InputMessage entry.

SQL scheduled task “SARR_Telemetry_Daily_Timer” (daily) for SARR summary reports

SQL scheduled task “SARR_Telemetry_Monthly_Timer” (monthly) for SARP reports

DLLs: None

Configuration Files:

File Name	Type	Comments
\\McCDBs\Telemetry\telm.RUN	ASCII	
SatCfg	SQL Table	
TelemetryCfg	SQL Table	
TelemSARPAalogPointIdCfg	SQL Table	
TelemSARRAalogPointIdCfg	SQL Table	
TelemSARPDigitalPointIdCfg	SQL Table	
TelemSARPDigitalPointIdCfg	SQL Table	
TelemSARPS?AnalogCfg (? = satellite)	SQL Table	
TelemSARRS?AnalogCfg (? = satellite)	SQL Table	
TelemSARPS?DigitalCfg (? = satellite)	SQL Table	
TelemSARRS?DigitalCfg (? = satellite)	SQL Table	
TelemS?InputMsgPointCfg (? = satellite)	SQL Table	
ComSiteCfg	SQL Table	

Input Data Files:

File Name	Type	Comments
InputMessage	SQL Table	
InputProcess	SQL Table	
SatCfg	SQL Table	
NSS.SARM.NK.D98350.S0920.E1114.B03 08283.WI S yyddd hhmm hhmm aa where s = satellite, yy = year, ddd = day of year, hh = hour, mm = minutes, aa = station (GC or WI)	Binary	
TelemetryPassSum	SQL Table	
TelemSARRAnalogPointSum	SQL Table	

Output Data Files:

File Name	Type	Comments
OperMsgLog	SQL Table	
TelemetryPassSum	SQL Table	
TelemSARPAnalogPointLog	SQL Table	
TelemSARRAnalogPointLog	SQL Table	
TelemSARPDigitalPointLog	SQL Table	
TelemSARRDigitalPointLog	SQL Table	
TelemSARPAnalogPointSum	SQL Table	
TelemSARRAnalogPointSum	SQL Table	
TelemSARPDigitalPointSum	SQL Table	
TelemSARRDigitalPointSum	SQL Table	
OutputMessage	SQL Table	
OutputProcess	SQL Table	
OutTelemetrySARPSum	SQL Table	
OutTelemetrySARRSum	SQL Table	
Innnnnnn.LST (nnnnnnn = Input Process ID)	ASCII	

Registry: none

Processor: MccDbs

**Required
Operating
System:** Windows 95

Required COTS: Microsoft Visual C++, 5.0 (or higher), ODBC Driver 2.6

Actual COTS: Microsoft Visual C++, 5.0, ODBC Driver 3.6

Installation

Procedure: Run Install.bat from a DOS prompt, following the instructions contained within it. Install.Bat resides in the telemetry source code directory.

Build

Procedure: Compile and link all associated source modules from PC with appropriate C compiler loaded

Reference

Documents: USMCC/CEMSCS Interface Control Document,
Latest Issue of C/S A.002, Standard Interface Description

C.10 Send Narrative Message to Operator**Program:** \\UsMcc\Vol1\Apps\Dbpgms\All\Narmsgm.EXE **Date: 15 July 1999****Function:** Send a narrative message to the Operator**Source Code:** Fortran Modules NARMSGM, NARMSG in directory \\usmcc\vol1\Apps\Fortran\All
Fortran Utility modules (UGETPRM, UGETFIL, UIDT2C, UITM2C, UDTM2I, UC2RD,
UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C, UDTM2C, UC2I,
UI2CHX, UB2CHX, URD2C, UPAD, UXMSGBD, UXMSG, UXMAN, USPACK, UOR and
UFILCPY) in directory \\usmcc\vol1\Apps\Fortran\All.

Note that all Fortran modules have an extensions of .For; eg., NarMsg is named narMsg.For.

Batch File: One per narrative message sent, such as \\UsMcc\Vol1\Apps\Dbfs\Mon\MpasErNr.Bat,
\\UsMcc\Vol1\Apps\Dbfs\Mon\MpasErN1.Bat, \\UsMcc\Vol1\Apps\Dbfs\Mon\MpasNar.Bat**Initiation:** The Pass Schedule Timer (MpasTmr.Bat) job runs daily on a timer controlled by the IppDo.Bat
job. The IppDo.Bat job automatically runs when the host DOS PC starts. It initiates the
MpasTmr.Bat job (daily), which conditionally initiates the MpasErNr.Bat, MPasErN1 and
MpasNar batch jobs.Other processes may run this program as well. The basic idea is that a Batch job refers to a
“.RUN” configuration file, which refers to a “.MSG” file containing the text of the message to be
generated.**DLLs:** None**Configuration Files:**

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\???.Run where ??? = MpasErNr, MpasErN1 or MpasNar	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\???.Msg where ??? = MpasErNr, MpasErN1 or MpasNar	ASCII	

Output Data Files:

File Name	Type	Comments
\UsMcc\Vol1\Apps\Dbfs\Mon\MpNarLstC.@Dy where @DY= day of year	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\MpasMsg.Tmp	ASCII	
\UsMcc\Vol1\users\mcc\msg\InputSit.Msg	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	

Registry: none

Processor: UsMcc

Required Operating System: DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

Installation Procedure: Process runs on any PC with access to the associated Processor

Build Procedure: From PC with appropriate Fortran compiler loaded, go to Source library where application software resides. Run Fortran.bat to set environmental variables. Run Fc.bat to compile each source module. Run NarMsLnk.bat to link the executable.

Reference Documents: None

C.11 Store LUT Pass Schedules into the SQL Database

Program \\McCMain1\NewScanSched\ScanSched.exe

Function Scans the Pass schedules listed in the \\USMCC\Vol1\users\mcc\msgs directory, creates SQL records to store in the LUTPassSchedule, and verifies the equator crossing.

Source Code \\McCnet\Software\SystemData\scansched\ScanSched.vbp

Batch File ScanSched.exe

Initiation The application is run by the NT task Scheduler at 2035z daily.

DLLs None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
OperMsgCfg	SQL Table	

Input Data Files

File Name	Type	Comments
\\USMCC\Vol1\users\mcc\msgs\SchedXXX.pri where XXX is LUT id	ASCII File	
\\USMCC\Vol1\users\mcc\msgs\SchedXXX.alt where XXX is LUT id	ASCII File	

Output Data Files

File Name	Type	Comments
LutPassSchedule	SQL Table	
OperMsgLog	SQL Table	

Registry None

Processor McCMain1

Required Operating System	Windows NT
Required COTS	SQL Server 6.50, Visual Basic 6.0
Actual COTS	SQL Server 6.50, Visual Basic 6.0
Installation Procedure	Copy the latest compiled executable from the project file to the following directory: \\McCMain1\NewScanSched\. Add the program to the WinNT scheduled tasks to be run daily at 20:45z.
Build Procedure	Compile and build ScanSched as a standard executable using Visual Basic compiler.
Reference Documents	<u>\\McCnet\Software\SystemData\scansched\ScanSched.wpd</u>

C.12 Check for new Telemetry Files (CheckTelemetry_Opr.vbs)

Program: \\MccMain1\SystemData\CheckTelemetry_Opr.vbs (visual basic script)

Function: The script calls a FILECHECKER.DLL function called ‘Telemetry’ using the Data Base name as a parameter. The function ‘Telemetry’ checks for existing telemetry files in \\USMCC\FTP\nesdis-ipd and moves them to \\USMCC\FTP\nesdis-ipd\archive before processing them into the SQL tables through the stored procedure TelemInputMessage.

Note: The SQL stored procedure TelemInputMessage depends on the program \\MCCDbs\winnt\system32\Telemetry\TELEMETRY.exe to process the actual files.

Source Code: \\MccNet\Software\SystemData\FileChecker\filechecker.vbp

Initiation: The MccMain1 NT Scheduled task CheckTelemetry_Opr calls the script every ten minutes starting at 04:59z

DLLs: The CheckTelemetry_Opr.vbs uses FILECHECKER.DLL.
The FILECHECKER/Telemetry function uses UtilWrapper.dll

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
TelemetryCfg	SQL Table	
InputMessageLUTCfg	SQL Table	

Input Data Files

File Name	Type	Comments
\\USMCC\FTP\nesdis-ipd\NSS.SARM.*	Binary File	

Output Data Files

File Name	Type	Comments
OperMsgLog	SQL Table	
TelemetryPassSum	SQL Table	
InputMessage	SQL Table	

File Name	Type	Comments
InputProcess	SQL Table	

Registry: The CheckTelemetry_Opr.vbs (visual basic script) must have the FILECHECKER.DLL properly registered in the PC where it will run.

Processor: \\McCMain1

Required Operating System: WNNT4.0

Required COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Installation Procedure: To register the DLL in the McCMain1, run:
regsvr32 C:\SystemData\FILECHECKER.DLL

Build Procedure The application must be compiled using Visual Basic and be built as a DLL.

Reference Documents: None

C.13	Confirm the Arrival of Orbit Vectors (CheckOrbVecsArrived)
Program	SQL stored procedure ‘CheckOrbVecsArrived’
Function	The procedure monitors the arrival of Orbit Vectors and verifies that messages were created for all vectors received.
Source Code	SQL stored procedure ‘CheckOrbVecsArrived’
Batch File	None
Initiation	SQL task Scheduler: Check_OrbitVectors_Arrived
DLLs	None
Configuration Files	None
Input Data Files	

File Name	Type	Comments
SitOrbitVectorIn	SQL Table	
InputProcess	SQL Table	
InputProcess	SQL Table	

Output Data Files

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual	

COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	The application must be compiled using Visual Basic and be built as a DLL.
Reference Documents:	None

C.14 Send Pass Schedules to LUTs (SENDSCHEDTOALLLUTS)

Program SQL stored procedure ‘SENDSCHEDTOALLLUTS’
Function The procedure sends the Pass Schedules to all LUTs listed as ‘Online’ in the SQL table ComSiteCfg. The SENDSCHEDTOALLLUTS executes another stored procedure called: ‘PassScheduleMain’ to accomplish this task.

Source Code SQL stored procedure ‘SENDSCHEDTOALLLUTS’

Batch File None

Initiation SQL task Scheduler: **Send_Lut_Schedule**

DLLs None

**Configuration
Files**

File Name	Type	Comments
LutCfg	SQL Table	
SatCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
LutPassSchedule	SQL Table	

**Output Data
Files**

File Name	Type	Comments
OperMsgLog	SQL Table	
LutSchedSumOut	SQL Table	
LutSchedItemOut	SQL Table	
OutputMessage	SQL Table	
OutputProcess	SQL Table	

Registry None

Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Source code is changed in SQL server
Reference Documents	None

C.15	Process SystemData messages (SysOutProcess)
Program	SQL stored procedure ‘SysOutProcess’
Function	The procedure checks for incoming SystemData SIT messages (215s, 415s, 515s, and 605s) and processes them accordingly. To process each message received, the procedure executes one of the following stored procedures: Out215 , Out415 , Out515 , or Out605 .
Source Code	SQL stored procedure ‘SysOutProcess’
Batch File	None
Initiation	SQL task Scheduler: SystemDataProcess . This task gets activated every five minutes.
DLLs	None
Configuration Files	

File Name	Type	Comments
SystemParmCfg	SQL Table	
SarRoutingCfg	SQL Table	

Input Data Files	Type	Comments
SitNarTextIn	SQL Table	
SitTimeCallIn	SQL Table	
InputMessage	SQL Table	
InputProcess	SQL Table	
SitOrbitVectorIn	SQL Table	
SitOrbVectSatHdrIn	SQL Table	

Output Data Files	Type	Comments
OperMsgLog	SQL Table	

File Name	Type	Comments
SitNarTextOut	SQL Table	
SitTimeCalOut	SQL Table	
OutputMessage	SQL Table	
OutputProcess	SQL Table	
SitOrbitVectorOut	SQL Table	
SitOrbVectSatHdrOut	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Source code is built in the SQL server.
Reference Documents	None

C.16 Send Test Messages to the Naval Submarine Com Site (SendTestMsgToNavSub)

Program SQL stored procedure ‘SendTestMsgToNavSub’

Function The procedure sends a Test Message to the RCC Sites that are listed as NavSub*.

Source Code SQL stored procedure ‘SendTestMsgToNavSub’

Batch File None

Initiation SQL task Scheduler: SendTestMsgToNavSub. This task gets executed daily at 15:05z.

DLLs None

Configuration Files

File Name	Type	Comments
ComSiteCfg	SQL Table	

Input Data

Files None

Output Data

Files SQL stored procedure OUT915 gets called, which creates records in the following SQL tables:

File Name	Type	Comments
SitNarTextOut	SQL Table	
OutputMessage	SQL Table	
OutputProcess	SQL Table	

Registry None

Processor SQL MccDBS

Required Operating System

WinNT 4.0

Required COTS

SQL Server 6.50

Actual COTS

SQL Server 6.50

Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Source code is built in the SQL server.
Reference Documents	None

Appendix D
System Monitoring Sub-system (SMON)

D.1 Monitor input LUT Data (LMonProject)

Program	On MccMain1PC - C:\program files\LMONproject\LMONproject.exe
Function	Process records from the SQL table InputProcess for the ‘SMON’ SubSystem. These records are processed according to their type: LUTOrbitVectors, LUTPassSchedules, LUTPassData, and LUTstatus.
Source Code	\Mccnet\Software\UtilityCode\LMONpgms\LMONproject.vbp
Batch File	The module runs continuously on the PC where it is initiated without user intervention. It uses an internal NT timer to poll the SQL Data Base every 60 seconds.
Initiation	The module is initiated by a shortcut located in the AllUsers\Start\Program\StartUp directory which passes the Data-Base-Name as a parameter.
DLLs	None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
InputMessageLUTCfg	SQL Table	
SatCfg	SQL Table	
LutCfg	SQL Table	

Input Data Files

File Name	Type	Comments
InputMessage	SQL Table	
InputProcess	SQL Table	
LutOrbitVectorIn	SQL Table	
LutOrbitVectorOut	SQL Table	
LutSchedSumIn	SQL Table	
LutSchedSumOut	SQL Table	
LutSchedItemOut	SQL Table	
LutPcr	SQL Table	

File Name	Type	Comments
LutPassSchedule	SQL Table	
LutStatus	SQL Table	

Output Data

Files

File Name	Type	Comments
OperMsgLog	SQL Table	
OutputMessage	SQL Table	
OutputProcess	SQL Table	
LutStatusForDp	SQL Table	

Registry None

Processor MccMain1

Required Operating System Windows NT

Required COTS SQL Server 6.5 to operate, SQL Visual Basic 6.0 to maintain code.

Actual COTS SQL Server 6.5 to operate, SQL Visual Basic 6.0 to maintain code.

Installation Procedure The file LMONproject.exe needs to be copied to the MccMain1's C:\program files\LMONproject directory

Build Procedure The user must open the file LMONproject.vbp using Visual Basic 6.0 or higher and make an executable file.

Reference Documents \\Mccnet\Software\UtilityCode\LMONpgms\LMONproject.wpd

D.2	Monitor Missing Messages from MCCs
Program	SQL stored procedure spMccMissingMsgs
Function	Notifies the controllers when an MCC has skipped a message based on the message number.
Source Code	SQL stored procedure spMccMissingMsgs
Batch File	This procedures runs on a trigger located in the SitHeaderIn table.
Initiation	When a message from an MCC is written to the table SitHeaderIn, the trigger calls the this procedure.
DLLs	None

**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	
ComSiteCfg	SQL Table	
SarRoutingCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
SitHeaderIn	SQL Table	
OutputMessage	SQL Table	

**Output Data
Files**

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry None

Processor MccDBS

Required

Operating System	Windows NT
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Source code built in SQL Server.
Reference Documents	\\\McCNet\Software\Documentation for Stored Procedures\spMcCMissingMsgs.wpd

D.3 Monitor gaps in MCC communication (spMccGapCheck)

Program SQL stored procedure spMccGapCheck

Function Notify the controller when an MCC has not sent input to the USMCC for a specified amount of time.

Source Code SQL stored procedure spMccGapCheck

Batch File stored procedure spMccGapCheck

Initiation the stored procedure spMccGapCheck (which runs on a timer) calls this procedure.

DLLs None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
ComSiteCfg	SQL Table	

Input Data Files

File Name	Type	Comments
InputMessage	SQL Table	

Output Data Files

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry None

Processor MccDBS

Required Operating System Windows NT

Required

COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code in SQL server.
Reference Documents	\\\McCNet\Software\Documentation for Stored Procedures\spMcCGapCheck.wpd

D.4 Extract 123 MHz site information for Morning Briefing

Program SQL stored procedure spMornBrief123Do

Function Examines 123 MHz site records to determine MornBrief and IHDB criteria

Source Code SQL stored procedure section.

Batch File stored procedure spMornBrief123Check (which runs on a timer)

Initiation spMornBrief123Check calls it.

DLLs None

**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	
SarRoutingCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
AlertSite123Sum	SQL Table	
SlertSite123Srr	SQL Table	
SlertSite123Sol	SQL Table	
SarRoutingCfg	SQL Table	

**Output Data
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	
MornBriefCounters	SQL Table	
OperMsgLog	SQL Table	

Registry None

Processor	MccDBS
Required Operating System	Windows NT
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code in SQL server
Reference Documents	\ McCNet\Software\UtilityCode\spMornBrief123Do\spMornBrief123Do-Details.wpd

D.5 Extract 406 MHz site information for Morning Briefing

Program SQL stored procedure spMornBrief406Do

Function Creates records of closed 406 MHz beacon sites in the MornBrief406AlertSiteSum table, to be displayed in the Morning Brief. Also checks for IHDB criteria.

Source Code SQL stored procedure section.

Batch File stored procedure spMornBrief406Check (which runs on a timer)

Initiation spMornBrief406Check calls it.

DLLs None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
SarRoutingCfg	SQL Table	

Input Data Files

File Name	Type	Comments
AlertSite406Sum	SQL Table	
SalertSite406Srr	SQL Table	
SalertSite406Sol	SQL Table	
SarRoutingCfg	SQL Table	

Output Data Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
MornBriefCounters	SQL Table	
MornBrief406AlertSiteSum	SQL Table	
MornBrief406CountryCounters	SQL Table	

File Name	Type	Comments
MornBrief406AlertSiteGeoS	SQL Table	
OperMsgLog	SQL Table	

Registry	None
Processor	MccDBS
Required Operating System	Windows NT
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change source code in SQL server
Reference Documents	\Mccnet\Software\Documentation for Stored Procedures\spMornBrief406Do-Details.wpd

D.6**Download 406 MHz alert sites with large location errors (LLE406Do)**

Program	SQL stored procedure LLE406Do
Function	Creates records of closed 406 Mhz beacon sites with large location errors and stores them in the LLEAlertSite406Sum table.
Source Code	SQL stored procedure LLE406Do
Batch File	SQL Stored procedure LLE406Check (which runs on an SQL scheduled task)
Initiation	The SQL LLE406Check initiates this procedure.
DLLs	None

**Configuration
Files**

File Name	Type	Comments
SatCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
AlertSite406Sum	SQL Table	
AlertSite406Pass	SQL Table	
AlertSite406Sol	SQL Table	

**Output Data
Files**

File Name	Type	Comments
LLEAlertSite406Sum	SQL Table	
LLEAlertSite406Pass	SQL Table	
LLEAlertSite406Sol	SQL Table	
LLEAlertSite406GOES	SQL Table	
OperMsgLog	SQL Table	

Registry	None
Processor	MccDBS
Required Operating System	Windows NT
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

D.7	Monitor Late LUT passes (LatePassCheck)
Program	SQL Stored procedure ‘LatePassCheck’
Function	The procedure checks for schedule passes. When there are passes that are considered ‘late’ (see configuration within the stored procedure), the procedure will notify MCC Controllers through the OperMsgLog table.
Source Code	SQL Stored procedure ‘LatePassCheck’
Batch File	None
Initiation	SQL task Scheduler
DLLs	None
Configuration Files	

File Name	Type	Comments
SystemParmCfg	SQL Table	Keeps track of Last LUT pass done

Input Data Files	File Name	Type	Comments
	LutPassSchedule	SQL Table	
	LutPcr	SQL Table	

Output Data Files	File Name	Type	Comments
	SystemParmCfg	SQL Table	
	OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating	

System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

D.8	Check Incoming Messages (CheckInput)
Program	SQL stored procedure ‘CheckInput’
Function	The procedure monitors messages created by CCVT, COMM and ALRT. When there are no messages by those SubSystems for a particular number of minutes and/or when messages can be processed by them, a notification gets sent to Controllers through the OperMsgLog. The function also notifies Controllers when there are locks holding Data Base tables.
Source Code	SQL stored procedure ‘CheckInput’
Batch File	None
Initiation	SQL task Scheduler: Check_Input_Processes
DLLs	None
Configuration Files	Configuration stored in Stored procedure.
Input Data Files	

File Name	Type	Comments
InputMessage	SQL Table	
InputProcess	SQL Table	
master.dbo.syslocks	SQL Table	
master.dbo.sysprocesses	SQL Table	

Output Data Files		
File Name	Type	Comments
OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required	

COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

D.9	Check Outgoing Messages (CheckOutput)
Program	SQL stored procedure ‘CheckOutput’
Function	The procedure monitors the SubSystems CCVT, COMM and OCVT by checking the outcome of messages listed in the SQL table OutputProcess. For ALRT, it checks that messages are being generated in that table.
Source Code	In the SQL Server.
Batch File	None
Initiation	SQL task Scheduler: Check_Output_Processes
DLLs	None
Configuration Files	Configuration stored in Stored procedure
Input Data Files	

File Name	Type	Comments
OutputProcess	SQL Table	

Output Data Files

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50

Installation

Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

D.10	Check the LUT Pass Schedule (CheckLutPassSchedule)
Program	SQL stored procedure ‘CheckLutPassSchedule’
Function	This stored procedure checks the LUTPassSchedule table and determines whether it has enough passes scheduled for the next two days.
Source Code	SQL stored procedure ‘CheckLutPassSchedule’
Batch File	None
Initiation	SQL task Scheduler: CheckLutPassSchedule . Currently set to run twice a day, once at 1155z and another at 2355z.
DLLs	None
Configuration Files	Configuration stored within stored procedure.
Input Data Files	

File Name	Type	Comments
LutPassSchedule	SQL Table	

Output Data Files

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation	

Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

D.11	Instruct Controllers to Check VOLINFO (CHECKVOLINFO)
Program	SQL stored procedure ‘CHECKVOLINFO’
Function	The procedure instructs the Controller on duty to check the Volume information in the NOVELL server by writing to the OperMsgLog table.
Source Code	SQL stored procedure ‘CHECKVOLINFO’
Batch File	None
Initiation	SQL task Scheduler: CHECKVOLINFO
DLLs	None
Configuration Files	Configuration stored within stored procedure.
Input Data Files	None
Output Data Files	

File Name	Type	Comments
OperMsgLog	SQL Table	

Registry	None
Processor	SQL MccDBS
Required Operating System	WinNT 4.0
Required COTS	SQL Server 6.50
Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server

**Reference
Documents** None

D.12 **Update Morning Briefing information (spMornBrief406Update)**

Program SQL stored procedure spMornBrief406Update

Function Updates all alert sites closed for the day before.

Source Code SQL stored procedure spMornBrief406Update

Batch File None

Initiation SQL task Scheduler initiates “MornBrief406Update” daily at 1430z

DLLs None

Configuration

Files None

Input Data

Files

File Name	Type	Comments
MornBrief406AlertSiteSum	SQL Table	

Output Data

Files spMornBrief406Do gets executed

Registry None

Processor SQL MccDBS

**Required
Operating
System**

WinNT 4.0

**Required
COTS**

SQL Server 6.50

**Actual
COTS**

SQL Server 6.50

**Installation
Procedure**

The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.

**Build
Procedure**

Change the source code in SQL server

**Reference
Documents** None

Appendix E
Operator Interface Sub-system (OPER)

E.1 Display Communication Sites

Program \\MccNet\Software\OperatorInterface\Exe Programs\ComSiteDisplay.exe

Function Displays Communication Sites' configuration and their message trafficking status.

Source Code \\MccNet\Software\OperatorInterface\Source Code\ComSiteDisplay\PrjCommchange.vbp

Batch File None

Initiation Manual. Users start this program by calling the program ComSiteDisplay.exe

DLLs None

Configuration Files

File Name	Type	Comments
ComSiteCfg	SQL Table	
ComEMailPathCfg	SQL Table	
ComX25PathCfg	SQL Table	
SarRoutingCfg	SQL Table	

Input Data Files

File Name	Type	Comments
InputMessage	SQL Table	
InputProcess	SQL Table	
OutnputProcess	SQL Table	
SitHeaderIn	SQL Table	

Output Data Files

File Name	Type	Comments
C:\Output.txt	ASCII File	
ConfigChangeLog	SQL Table	
OperMsgLog	SQL Table	

Registry	None
Processor	MccNet
Required Operating System	Windows NT
Required COTS	SQL ODBC Driver, VB 5.0
Actual COTS	SQL ODBC Driver, VB 5.0
Installation Procedure	In order to run this program, all interface components must be transferred to the user's pc by running the setup program located in the \\Mcenet\\Software\\OperatorInterface\\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic 5.0 or higher to build an executable version of the project.
Reference Documents	\\Mcenet\\Software\\OperatorInterface\\Source Code\\ComSiteDisplay\\ComSiteDisplay.wpd

E.2 LUT Interface (LutInterface)

Program \\Mccnet\Software\OperatorInterface\Exe Programs\LutInterface.exe
Function Send messages to LUTs and set LUT processing configuration
Source Code \\Mccnet\Software\OperatorInterface\Source Code\LutInterface\LutInterface.vbp
Batch File None
Initiation User initiated.
DLLs None

Configuration Files

File Name	Type	Comments
LutCfg	SQL Table	
SatCfg	SQL Table	
ComSiteCfg	SQL Table	
LutGraphicsDisplayCfg	SQL Table	
InputMessageLutCfg	SQL Table	
SystemParmCfg	SQL Table	

Input Data Files

File Name	Type	Comments
ConfigChangeLog	SQL Table	
OperMsgLog	SQL Table	
OutputMessage	SQL Table	
LutSchedSumOut	SQL Table	
LutTimeCalOut	SQL Table	
LutPassSchedule	SQL Table	

Output Data Files

File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	
UTDPSatDumpPrintRequest	SQL Table	
ConfigChangeLog	SQL Table	
OperMsgLog	SQL Table	
LutSendPassRequestOut	SQL Table	

Registry	None
Processor	MccNet
Required Operating System	Windows NT
Required COTS	SQL ODBC Driver. VB components' dll files.
Actual COTS	SQL 6.50 ODBC Driver, VB 5.0
Installation Procedure	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's pc, it is located in the path: \\Mccnet\\Software\\OperatorInterface\\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic 5.0 or higher to build an executable version of the project.
Reference Documents	\\Mccnet\\Software\\OperatorInterface\\Source Code\\LutInterface\\LutInterface.wpd

E.3**Lut Pass Schedule and data Interface (LutInterface)**

Program	\Mccnet\Software\OperatorInterface\Exe Programs\PassSchedule.exe
Function	Displays Lut pass scheduled and processed records, and any anomalies found in the processed records.
Source Code	\Mccnet\Software\OperatorInterface\Source Code\FC developed\Source Code Operational\PassSchedule\LutPassSchedule.vbp
Batch File	None
Initiation	User initiated.
DLLs	None

Configuration Files

File Name	Type	Comments
LutCfg	SQL Table	
SatCfg	SQL Table	

Input Data Files

File Name	Type	Comments
LutPassSchedule	SQL Table	
LutPcr	SQL Table	

Output Data Files

File Name	Type	Comments
C:\Output.txt	SQL Table	

Registry None**Processor** Mccnet**Required Operating** Windows NT

System

Required COTS	SQL ODBC Driver. VB components' dll files.
Actual COTS	SQL 6.50 ODBC Driver, VB 5.0
Installation Procedure	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's PC, it is located in the path: \\Mccnet\Software\OperatorInterface\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic to build an executable version of the project.
Reference Documents	\\MccNet\Software\OperatorInterface\Source Code\PassSchedule\PassSchedule.wpd

E.4 Morning Brief Interface

Program \\McCNet\Software\OperatorInterface\Exe programs\MBrief.exe
Function Display and update the 406 Mhz beacons activation information maintained for the Morning Briefing

Source Code \\McCNet\Software\OperatorInterface\Source Code\MorningBrief\MornBriefSites.vbp

Batch File None

Initiation User initiated.

DLLs None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	
BcnActReasonCfg	SQL Table	

Input Data Files

File Name	Type	Comments
MornBrief406AlertSiteSum	SQL Table	
MornBrief406AlertSiteGeoS	SQL Table	
MornBriefCounters	SQL Table	
MornBriefCountryCounters	SQL Table	

Output Data Files

File Name	Type	Comments
\\USMCC\Public\Data directory	SQL Table	written as configured in SystemParmCfg table

Registry None

Processor	MccNet
Required Operating System	Windows NT
Required COTS	SQL ODBC Driver. VB components' dll files.
Actual COTS	SQL 6.50 ODBC Driver, VB 5.0
Installation Procedure	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's PC, it is located in the path: \\Mccnet\Software\OperatorInterface\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic 5.0 to build an executable version of the project.
Reference Documents	\\MccNet\Software\OperatorInterface\Source Code\MorningBrief\MBrief.wpd

E.5 Large Location Errors Interface

Program \\Mccnet\Software\OperatorInterface\Exe programs\LLE.exe

Function Display and maintain 406 MHz alert sites with large location errors.

Source Code \\Mccnet\Software\OperatorInterface\Source Code\LLE\LLE.vbp

Batch File None

Initiation User initiated.

DLLs None

**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	
LLEHowPositionDeterminedCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
LLEAlertSite406Sum	SQL Table	
LLEAlertSite406Pass	SQL Table	
LLEAlertSite406Goes	SQL Table	

**Output Data
Files**

File Name	Type	Comments
LLEAlertSite406Pass	SQL Table	written with user input

Registry None

Processor Actual executable located at:
\\McCNe\Software\OperatorInterface\Exe programs directory.

Required

Operating System	Windows NT
Required COTS	SQL 6.50 ODBC Driver, Visual Basic 6.0.
Actual COTS	SQL 6.50 ODBC Driver, Visual Basic 6.0.
Installation Procedure	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's PC, it is located in the path: \\Mccnet\Software\OperatorInterface\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic 6.0 to build an executable version of the project.
Reference Documents	\\Mccnet\Software\OperatorInterface\Source Code\LLE\LLE.wpd

E.6 Operator Message Log Scroll (SCROLL)**Program** \\Mccnet\Software\OperatorInterface\Exe programs\SCROLL\SCROLL.exe**Function** Display Operator Message Log messages**Source Code** \\MccNet\Software\OperatorInterface\Source Code\SCROLL\SCROLL.vbp**Batch File** None**Initiation** User initiated.**DLLs** None**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
OperMsgLog	SQL Table	

**Output Data
Files**

File Name	Type	Comments
OpermsgLog	SQL Table	

Registry None**Processor** Actual executable located at:
\\Mccnet\Software\OperatorInterface\Exe programs\SCROLL directory**Required
Operating
System** Windows NT**Required
COTS** SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS	SQL 6.50 ODBC Driver, Visual Basic 6.0.
Installation Procedure	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's pc, it is located in the path: \\Mccnet\Software\OperatorInterface\SETUP FILES
Build Procedure	The module can be created from the source code by using Visual Basic 6.0 to build an executable version of the project.
Reference Documents	<u>\\MccNet\Software\OperatorInterface\Source Code\SCROLL\SCROLL.wpd</u>

E.7 Input/Output Message Query (MsgQuery)

Date: 07 July 1999

Program: \\McCNet\Software\OperatorInterface\Exe Programs(MsgQuery.exe)

Function: Extracts information from SQL Server about input and output messages. Making this info available the operator in a grid with field heading.

Source Code: \\McCNet\Software\OperatorInterface\Source Code\MsgQuery\MsgQuery.vbp

Batch File: none

Initiation: User initiated

DLLs: N/A

Configuration Files:

File Name	Type	Comments
HKEY_USERS\Software\SarSat\MsgQuery	Registery	Grid field string

Input Data Files:

File Name	Type	Type
InputMessage	SQL Table	
InputProcess	SQL Table	
OutPutMessage	SQL Table	
OutPutProcess	SQL Table	
SitHeaderin	SQL Table	
LutPCR	SQL Table	

Output Data Files:

Registry:	First time run on machine creates its registry key HKEY_USERS\Software\SarSat\MsgQuery
Processor:	Actual executable located at: \\McCNet\Software\OperatorInterface\Exe programs\SCROLL directory
Required Operating System:	WINNT4.0
Required COTS:	SQL 6.50 ODBC Driver, Visual Basic 6.0.
Actual COTS:	SQL 6.50 ODBC Driver, Visual Basic 6.0.
Installation Procedure:	The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal setup program that allows all interface components to be transferred to the user's PC, it is located in the path: \\McCNet\Software\OperatorInterface\SETUP FILES
Build Procedure:	The module can be created from the source code by using Visual Basic 6.0 to build an executable version of the project.
Reference Documents:	None

E.8**AlertSiteQuery**

Program: \\McCNet\Software\OperatorInterface\Exe Programs\AlertSiteQuery.exe

Function: Process Alert Site information such as Oplots, Site Information, Messages sent out/received. for such sites.

Source Code: \\McCNet\Software\OperatorInterface\SourceCode\AlertSiteQuery\AlertSiteQuery.vbp

Initiation: User initiated

DLLs: TimeBoundCntr.OCX, UtilWrapper.dll

Configuration Files:

File Name	Type	Comments
MidInfoCfg	SQL Table	
ComSiteCfg	SQL Table	
ConfigChangeLog	SQL Table	
SatCfg	SQL Table	
LutCfg	SQL Table	

Input Data Files:

File Name	Type	Comments
AlertSite123SRR	SQL Table	
AlertSite406SRR	SQL Table	
Alertsite123Sum	SQL Table	
Alertsite406sum	SQL Table	
InputVw	SQL View	
OutputVw	SQL View	
SitesSumVw	SQL View	
LutPassSchedule	SQL Table	

Output Data Files:

File Name	Type	Comments
ConfigChangeLog	SQL Table	To keep track of changes made to Alert Sites.
Alertsite406srr	SQL Table	through the sp INSERTSRR & ModifySrr
Alertsite123srr	SQL Table	through the sp INSERTSRR & ModifySrr
MsgQuery	Interface	Gets called by some options listed.
Interface Window boxes	Screen	Most output is displayed to the user.

Registry: HKEY_CURRENT_USER\SOFTWARE\AlertSiteQuery

Processor: Actual executable located at:
\\Mccnet\Software\OperatorInterface\Exe programs directory

**Required
Operating
System:** WNNT4.0

**Required
COTS:** SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

**Installation
Procedure:** The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal **setup** program that allows all interface components to be transferred to the user's PC, it is located in the path:
\\MccNet\Software\OperatorInterface\SETUP FILES

**Build
Procedure:** The module can be created from the source code by using Visual Basic 6.0 to build an executable version of the project.

**Reference
Documents:** None

E.9 Generate Support Messages

Program: \\MccNet\Software\OperatorInterface\Exe Programs\SupportMessages.exe

Function: Generate support messages, including narratives, next pass data and registration data.

Source Code: \\MccNet\Software\OperatorInterface\SourceCode\SupportMessages\SupportMessages.vbp

Initiation: User initiated. The following SQL stored procedures get called: Snd406 () and Update605 (uses View MCCsIn605Network and SQL table SarRoutingCfg) and Out915 () and Out953() and OutAllComs ()

DLLs: UtilWrapper.DLL

Configuration Files

File Name	Type	Type
ComX25PathCfg	SQL Table	
ComSiteCfg	SQL Table	
LutCfg	SQL Table	
SatCfgt	SQL Table	

Input Data Files

File Name	Type	Type
RegistrationDB406	SQL Table	
LutPassSchedule	SQL Table	

Output Data Files

File Name	Type	Type
OutputMessage	SQL Table	
OutputProcess	SQL Table	
SitNarTextOut	SQL Table	
Sit406BcnRegOut	SQL Table	
OperMsgLog	SQL Table	

File Name	Type	Type
OutputMessage	SQL Table	

Registry: None

Processor: Actual executable located at:
 \\Mcenet\\Software\\OperatorInterface\\Exe programs directory

**Required
Operating
System:** WNNT4.0

**Required
COTS:** SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

**Installation
Procedure:** The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.

**Build
Procedure** Change the source code in SQL server

**Reference
Documents** None

E.10 Operator Message Log Query (OpQuery)

Program: \\McCNet\Software\OperatorInterface\Exe Programs\OpQuery.exe

Function: To retrieve records from the SQL table OperMsgLog. Record-retrieving options include extracting records based on time they were created, by Operator display priority, by SubSystem identification and/or by SubSystem Message number.

Source Code: \\McCNet\Software\OperatorInterface\SourceCode\AlertSiteQuery\OpQuery.vbp

Initiation: User initiated

DLLs: UtilWrapper.dll

Configuration Files:

File Name	Type	Comments
OperMsgCfg	SQL Table	

Input Data Files:

File Name	Type	Type
OperMsgLog	SQL Table	

Output Data Files:

File Name	Type	Type
Interface window	Screen	Retrieved messages

Registry: HKEY_CURRENT_USER\SOFTWARE\SarSat\OpQuery
Retrieves Grid field-sizes.

Processor: Actual executable located at:
\\McCNet\Software\OperatorInterface\Exe programs directory

Required Operating System: WNNT4.0

Required COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Actual COTS: SQL 6.50 ODBC Driver, Visual Basic 6.0.

Installation

- Procedure:** The executable may be copied anywhere but there is a setup procedure that must be run before the interface is used. There is a universal **setup** program that allows all interface components to be transferred to the user's PC, it is located in the path:
\\McCNet\Software\OperatorInterface\SETUP FILES
- Build Procedure:** The module can be created from the source code by using Visual Basic 6.0 to build an executable version of the project.
- Reference Documents:** None

E.11 406 MHz Beacon Decode (BcnCode)**Program:** \\UsMcc\Vol3\GovProd\DBeacon\Bcncode.EXE **Date: 28 March 2000****Function:** Decode and encode Cospas-Sarsat 406 MHz Distress Beacons**Source Code:** C Modules (BITLIB, GENBCH2, UGETFIL, UGETPRM, BCNCODE, BEEP, BDECODE, GETRADIO, GETFLD, OUTFLD, OUTLOC, BCNCDUTL, INFLD, BCNREST, GETBCN, GETMID, GETMCC, BROWSE, BCNCDDAT, BCN2DEF, GETBCX) in directory \\usmcc\vol1\Apps\Source\Cpp

Note that all of the above C modules have an extensions of .C; eg., the full name of BcnCode is Bcncode.c.

Batch File: \\UsMcc\Vol3\GovProd\DBeacon\BcnCodes.Bat**Initiation:** The Beacon Decode software is initiated by running \\UsMcc\Vol3\GovProd\DBeacon\BcnCodes.Bat. This batch job may be run by selecting “Dbeacon” from the Sarsat Menu, which is located in “\\usmcc\library\Menu\SarMaint”**DLLs:** None**Configuration Files:**

File Name	Type	Comments
\\UsMcc\Vol3\GovProd\DBeacon\BcnCodes.Run	ASCII	
\\UsMcc\Vol3\GovProd\DBeacon\RadioCal.Cfg	ASCII	
\\UsMcc\Vol3\GovProd\DBeacon\Country.Cfg	ASCII	
\\UsMcc\Vol3\GovProd\DBeacon\UsRoutId.Cfg	ASCII	
\\UsMcc\Vol3\GovProd\DBeacon\Browse.Com	Binary	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol3\GovProd\DBeacon\BcnCode.Dat	ASCII	
\\UsMcc\Vol3\GovProd\DBeacon\BcnXcept.Dat	ASCII	

Output Data Files:

File Name	Type	Comments
\\UsMcc\Vol3\Tempfile\BcnCodUZ.Lst, where “UZ” is the first 2 characters of User Id.	ASCII	

File Name	Type	Comments
\UsMcc\Vol3\Tempfile\BncodUZ.Prt, where “UZ” is the first 2 characters of User Id.	ASCII	
\UsMcc\Vol3\Tempfile\BcnSumOt.Bin	Binary	

Registry: none

Processor: Software resides on UsMcc. Process runs on any PC with access to the associated Processor

Required Operating System: DOS 6.0 (or higher)

Required COTS: Microsoft C++ 1.5 (or higher), Browse.Com (File Browser)

Actual COTS: Microsoft C++ 1.52

Installation Procedure: Run \UsMcc\Vol3\GovProd\DBeacon\Install.Bat, following instructions in the file.

Build Procedure: Compile and link all associated source modules from PC with appropriate C++ compiler loaded

Reference Documents: Latest Issue of C/S T.001, Specification for Cospas-Sarsat 406 MHz Distress Beacons,
 \UsMcc\Vol3\GovProd\DBeacon\Bncode.Doc,
 \UsMcc\Vol3\GovProd\DBeacon\Bncode.Hlp,
 \UsMcc\Vol3\GovProd\DBeacon\BncodeG.Hlp,
 \UsMcc\Vol3\GovProd\DBeacon\BncodeT.Hlp

Appendix F
Database Maintenance Sub-system (DBMN)

F.1 Delete Aged Out Files

Program: \\UsMcc\Vol1\Apps\Dbpgms\All\Delfil.EXE **Date:** 19 July 1999

Function: Delete aged out files

Source Code: Fortran Modules DELFIL, NARMSG in directory \\usmcc\vol1\Apps\Fortran\All
Fortran Utility modules (UGETPRM, UGETFIL, UIDT2C, UITM2C, UDTM2I, UC2RD,
UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C, UDTM2C, UC2I,
UI2CHX, UB2CHX, URD2C, UPAD, UXMSGBD, UXMSG, UXMANT, USPACK, UOR and
UFILCPY) in directory \\usmcc\vol1\Apps\Fortran\All.

Note that all Fortran modules have an extensions of .For; eg., NarMsg is named narMsg.For.

Batch File: \\UsMcc\Vol1\Apps\Dbfs\All\DelFilDo.Bat

Initiation: The Delete File Timer (DelFilDo.Bat) job runs daily on a timer controlled by the IppDo.Bat job.
The IppDo.Bat job automatically runs when the host DOS PC starts.

The DelFilDo.bat file refers to the “DelFil.RUN” configuration file, which contains the name
pattern and age threshold of files to be deleted.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\All\DelFil.Run	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\All\DelFil.Run	ASCII	

Output Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\All\DelFilst.@Dy where @DY= day of year	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\DelFlSit.Tmp	ASCII	
\\UsMcc\Vol1\users\mcc\msg\InputSit.Msg	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	

File Name	Type	Comments
various files to be deleted	ASCII, Binary	

Registry: none

Processor: UsMcc

**Required
Operating
System:** DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

**Installation
Procedure:** Process runs on any PC with access to the associated Processor

**Build
Procedure:** Compile and link all associated source modules from PC with appropriate Fortran compiler loaded

**Reference
Documents:** None

F.2	Archive Purge SQL tables.
Program	SQL stored procedure ‘ARCPURGE’
Function	This procedure archive the aged data in MccOperational database and store it in MccArchive database. It also purges the data in MccOperational so that MccOperational database could remain a manageable size. This stored procedure calls the following stored procedure to complete the task: ArcPurgeAlert; ArcPurgeAlertSite; ArcPurgeConfigChangeLog; ArcPurgeInputMessage2; ArcPurgeLutPassSchedule; ArcPurgeMornBrief; ArcPurgeOperMsgLog; ArcPurgeOutputMessage; ArcPurgeTelem; ArcPurgeOrbitVector.
Source Code	SQL stored procedure ‘ARCPURGE’
Batch File	None
Initiation	SQL task Scheduler: occurs every one day, every one minute between 00:15z to 12:00z.
DLLs	None
Configuration Files	Configuration stored in stored procedure.

Input Data Files

ArcPurgeAlert:

File Name	Type	Comments
AlertMessageType	SQL TABLE	
Alert124FilterResults	SQL TABLE	
Alert123ValidationResult	SQL TABLE	
Alert406ValidationResult	SQL TABLE	

ArcPurgeAlertSite:

File Name	Type	Comments
AlertSite123Sum	SQL TABLE	
AlertSite123CompHistory	SQL TABLE	
AlertSite123MissedPass	SQL TABLE	
AlertSite123Pass	SQL TABLE	
AlertSite123Sol	SQL TABLE	
AlertSite123SRR	SQL TABLE	
AlertSite406Sum	SQL TABLE	
AlertSite406Cluster	SQL TABLE	
AlertSite406CompHistory	SQL TABLE	
AlertSite406MissedPass	SQL TABLE	
AlertSite406Pass	SQL TABLE	
AlertSite406Sol	SQL TABLE	
AlertSite406SRR	SQL TABLE	

ArcPurgeConfigChangeLog:

File Name	Type	Comments
ConfigChangeLog	SQL TABLE	

ArcPurgeInputMessage2:

File Name	Type	Comments
SitOrbitVectorIn	SQL TABLE	
UnconvertedIn	SQL TABLE	
TelemetryPassSum	SQL TABLE	
SitTimeCallIn	SQL TABLE	
SitSpaceCmdReqHdrIn	SQL TABLE	
SitOrbVecSatHdrIn	SQL TABLE	
SitNarTextIn	SQL TABLE	
SitHeaderIn	SQL TABLE	
Sit406SolNoDoplrIn	SQL TABLE	
Sit406SolDopplerIn	SQL TABLE	
Sit406IntSolution	SQL TABLE	
Sit406BcnRegIn	SQL TABLE	
Sit121SolutionIn	SQL TABLE	
LutTimeCalIn	SQL TABLE	
LutTagBufferIn	SQL TABLE	
LutStatus	SQL TABLE	
LutSchedSumIn	SQL TABLE	
LutPcr	SQL TABLE	
LutPassStart	SQL TABLE	
LutOrbitVectorIn	SQL TABLE	
LutNarTextIn	SQL TABLE	
Lut406Solution	SQL TABLE	
Lut406IntSolution	SQL TABLE	
Lut406Header	SQL TABLE	
Lut121Solution	SQL TABLE	
Lut121Header	SQL TABLE	
InputProcess	SQL TABLE	
InputMessage	SQL TABLE	

LutSchedItemIn	SQL TABLE	
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ArcPurgeLutPassSchedule:

File Name	Type	Comments
LutPassSchedule	SQL TABLE	

ArcPurgeMornBrief:

File Name	Type	Comments
MornBrief406AlertSiteSum	SQL TABLE	
MornBrief406AlertSiteGeoS	SQL TABLE	
MornBriefCounters	SQL TABLE	
MornBriefCounters	SQL TABLE	

ArcPurgeOperMsgLog:

File Name	Type	Comments
Opermsglog	SQL TABLE	

ArcPurgeOutputMessage:

File Name	Type	Comments
SitSpaceCmdReqOut UnconvertedOut SitSpaceCmdReqHdrOut SitOrbVecSatHdrOut Sit406BcnRegOut OutTelemetrySARRSum OutTelemetrySARPSum Out406SolNoDoplr Out406PrevSolution Out406NextPass Out406MissedPassSum Out406MissedPassSol Out406BcnDecode Out121Solution Out121PrevSolution Out121MissedPassSum Out121MissedPassSol LutSendPassRequestOut LutSchedItemOut LutOrbitVectorOut LutChangeSchedRequestOut	SQL TABLE OutputProcess Out406SolDoppler Out406MissedPassSum Out121NextPass LutTimeCalOut LutSchedSumOut OutputMessage	

ArcPurgeTelem:

File Name	Type	Comments
TelemSARPAnalogPointSum TelemSARPDigitalPointSum	SQL TABLE	

ArcPurgeOrbitVector:

File Name	Type	Comments
ArcPurgeOrbitVector	SQL TABLE	

Output Data

Files None

Registry None

Processor SQL MccDBS

Required
Operating
System WinNT 4.0

Required
COTS SQL Server 6.50

Actual COTS	SQL Server 6.50
Installation Procedure	The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.
Build Procedure	Change the source code in SQL server
Reference Documents	None

F.3 File Archive and Purge (FileArcPurge)

Date: 31 March 2000

Program: \\MccNet\Software\DBMN\FileArcPurge\FileArcPurge.exe

Function: Archive communication files and delete after 90 days as follows:
Check space on \\MccSarnet1\D\$ and notify operator as appropriate
Check space on \\MccSarnet1\E\$ and notify operator as appropriate
Delete folders older than 90 days from D:\Com\Archive\
Delete files older than 90 days from D:\Com\Log\
Delete files older than 90 days from D:\Com\Temp\
Move files older than 1 day from E:\Com\ComIo to D:\Com\Archive\
Move files older than 1 day from E:\Com\LutComCheck to D:\Com\Archive\
Move files older than 1 day from E:\Com\NavalOrbitVec to D:\Com\Archive\
Move files older than 1 day from E:\Com\SarnetRecv to D:\Com\Archive\
Move files older than 1 day from E:\Com\SarnetRecv to D:\Com\Archive\
Move files older than 1 day from E:\Com\SarnetRecv to D:\Com\Archive\
Move files older than 1 day from E:\Com\SarnetRecv to D:\Com\Archive\

Source Code: \\MccNet\Software\DBMN\FileArcPurge\FileArcPurge.bas
\\MccNet\Software\DBMN\FileArcPurge\FileArcPurge.vbp
\\MccNet\Software\DBMN\FileArcPurge\FileArcPurge.vbw

Batch File: None

Initialization: The \\MccSarnet1 NT Schedule Service launches the FileArcPurge daily at 200z.

DLLs: None

Configuration Files: None

Input Data Files:

File Name	Type	Comments
ComIo Folder in \\MccNet\E\$\Com\	Binary	To be deleted
NavalOrbitVec Folder in \\MccNet\E\$\Com\	Binary	To be deleted
SarnetRecv Folder in \\MccNet\E\$\Com\	Binary	To be deleted
Folders in \\MccNet\\$\Com\Archive\	ASCII	To be deleted
Files in \\MccNet\\$\Com\Log\	ASCII	To be deleted
Files in \\MccNet\\$\Com\Temp\	ASCII	To be deleted

Output Data Files:

File Name	Type	Comments
ComIo Folder in \\MccNet\E\$\Com\	Binary	To be deleted
NavalOrbitVec Folder in \\MccNet\E\$\Com\	Binary	To be deleted
SarnetRecv Folder in \\MccNet\E\$\Com\	Binary	To be deleted

File Name	Type	Comments
Folders in \\MccNet\D\$\Com\Archive\	ASCII	To be deleted
Files in \\MccNet\D\$\Com\Log\	ASCII	To be deleted
Files in \\MccNet\D\$\Com\Temp\	ASCII	To be deleted
OperMsgLog	SQL Table	

Output Data Files:

Registry Entries: None

Processor: MccSarnet1

Operating System: Windows NT 4 SP 5

COTS: None

Actual COTS: None

Installation Procedure: At a command prompt enter the following line to schedule daily operation:
at \\MccSarnet1 2:00 /every:M,T,W,Th,F,S,Su \\MccNet\Software\DBMN\FileArcPurge\FileArcPurge.exe

Build Procedure: Compile with Visual Basic Enterprise 6.0

Documents Referenced: None

F.4

Archive and Purge Dbase Files (ArcDb)

Date: 12 Apr 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\ARCDB.EXE

Function: Archive and purge data from Dbase files.

Source Code:

\USMCC\VOL1\APPS\SOURCE\ARCDB,

In the \\USMCC\VOL1\APPS\UTILS directory:

YSC2DTMI, YJDT2MD, UDT2JDAY, USC2DTMI, UJDT2MD, UDTMI2SC, UDT2DTMI, UJDTE2C, UDTM2SC, UNETUSE, LOCKS.

Each source code module has an extension of .PRG.

Batch File: one per Dbase (.DBF) file - \\USMCC\VOL1\APPS\DBFS\ARCDB*.BAT (where * = Bad, B_P, L_M, Orb, Srt and Tst)

Initiation: This program is initiated by running the appropriate Batch File for each Dbase file.

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\ArcDb*.Bat	ASCII File	
\\USMCC\VOL1\APPS\DBFS\ArcPurge.DBF	Dbase File	

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL3\APPS\DBFS\LMDB\LutMonDb.Dbf	Dbase File	
\\USMCC\VOL3\APPS\DBFS\LMDB\BadBcn.Dbf	Dbase File	
\\USMCC\VOL3\APPS\DBFS\LMDB\BentPipe.Dbf	Dbase File	
\\USMCC\VOL3\APPS\DBFS\LMDB\OrbGraph.Dbf	Dbase File	
\\USMCC\VOL3\APPS\DBFS\LMDB\SortBcn.Dbf	Dbase File	
\\USMCC\VOL3\APPS\DBFS\LMDB\TestBcn.Dbf	Dbase File	

Output Data Files:

File Name	Type	Comments
????.Dbf (Archive version of Input database)	Dbase File	
\USMCC\VOL1\APPS\DBFS\Lmdb\Arc??Ls.Jul, where Jul = Julian day, ??? = file type (L_M, Bad, B_P, Orb, Srt or Tst)	ASCII File	

Registry: N/A**Processor:** Runs on any PC with appropriate access**Required Operating System:** MS DOS 6.0 or higher (Windows NT console)**Required COTS:** Clipper Compiler 5.2e.**Actual COTS:** Clipper Compiler 5.2e.**Installation Procedure:** Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.**Build Procedure:** Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat.. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive,\Usmcc\Vol3 as H: drive.) Run \Usmcc\Vol1\Apps\Source\link\ArcDbLnk.bat to link the ArcDb program.**Reference Documents:** None

Appendix G
Incident History Database (IHDB)

G.1 Download IHDB 123 Mhz Site information to IHDB

Program SQL stored procedure spIHDB_123_DoSite

Function Creates an object for the IHDB process, calls the IDHB DLL's function WriteToIHDB123 to create a new record in the IHDB DataBase.

Source Code SQL stored procedure spIHDB_123_DoSite

Batch File spMornBrief123Do

Initiation spMornBrief123Do calls it.

DLLs this procedure is part of a IHDB.dll registered and located at
\\MccDBS\\winnt\\system32\\AddedDLLs

**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL TABLE	
OperMsgCfg	SQL TABLE	

**Input Data
Files**

File Name	Type	Comments
\\USMCC\\Vol1\\apps\\dbfs\\ihdb121i	Dbase file	
\\USMCC\\Vol1\\apps\\dbfs\\ihdb121c	Dbase file	

**Output Data
Files**

File Name	Type	Comments
\\USMCC\\Vol1\\apps\\dbfs\\ihdb121i	Dbase file	
\\USMCC\\Vol1\\apps\\dbfs\\ihdb121c	Dbase file	

Registry IHDB.IHDB123

Processor MccDBS

Required

Operating System	Windows NT
Required COTS	SQL 6.50, Visual Basic 5.0
Actual COTS	SQL 6.50, Visual Basic 5.0
Installation Procedure	<p>The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.</p> <p>To install the IHDB.dll, register it in the MCCDBS pc, run RegSvr32 c:\winnt\system32\addedDLLs\IHDB.DLL</p>
Build Procedure	<p>Change the source code in SQL server</p> <p>For the IHDB.DLL file, use the source code \\MccNet\SoftWare\Utililtycode\IHDBop\IHDB.vbp to create it.</p>
Reference Documents	\\MccNet\SoftWare\Utililtycode\IHDBop\WriteToIHDB123-Details.wpd

G.2**Download IHDB 406 MHz Site information to IHDB**

Program	SQL stored procedure spIHDB_406_DoSite
Function	Creates an object for the IHDB process, calls the IDHB DLL's function WriteToIHDB406 to create a new record in the IHDB DataBase.
Source Code	SQL stored procedure spIHDB_406_DoSite.
Batch File	spMornBrief406Do
Initiation	spMornBrief406Do calls it.
DLLs	this procedure is part of a IHDB.dll registered and located at \\MccDBS\winnt\system32\AddedDLLs

**Configuration
Files**

File Name	Type	Comments
SystemParmCfg	SQL Table	
OperMsgCfg	SQL Table	

**Input Data
Files**

File Name	Type	Comments
\USMCC\Vol1\apps\dbfs\ ihdb406i	Dbase file	406 IHDB incomplete file
\USMCC\Vol1\apps\dbfs\ ihdb406c	Dbase file	406 IHDB complete file

**Output Data
Files**

File Name	Type	Comments
\USMCC\Vol1\apps\dbfs\ ihdb406i	Dbase file	406 IHDB incomplete file
\USMCC\Vol1\apps\dbfs\ ihdb406c	Dbase file	406 IHDB complete file

Registry IHDB.IHDB406

Processor MccDBS

Required

Operating System	Windows NT
Required COTS	SQL Server 6.50, Visual Basic 5.0
Actual COTS	SQL Server 6.50, Visual Basic 5.0
Installation Procedure	<p>The stored procedure is stored in SQL, any changes or amendments can be made directly to the procedure.</p> <p>To install the IHDB.dll, register it in the MCCDBS pc, run RegSvr32 c:\winnt\system32\addedDLLs\IHDB.DLL</p>
Build Procedure	<p>Change the source code in SQL server.</p> <p>For the IHDB.DLL file, use the source code \\MccNet\SoftWare\Utilitycode\IHDBop\IHDB.vbp to create it.</p>
Reference Documents	\\MccNet\SoftWare\Utilitycode\IHDBop\WriteToIHDB406-Details.wpd

G.3 Create Feedback (Send Dunn) Reminders for RCC's

Date: 22 Feb 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\SENDDUNN.EXE

Function: Searches the 121 and 406 incomplete files for incomplete incident data for an RCC and generates senddunn messages

Source Code:

```
\\USMCC\VOL1\APPS\SOURCE\SENDDUNN,  
\\USMCC\VOL1\APPS\SOURCE\IHGT121D.PRG  
\\USMCC\VOL1\APPS\SOURCE\IHGT406D.PRG  
\\USMCC\VOL1\APPS\SOURCE\IHSENDLK.PRG  
\\USMCC\VOL1\APPS\UTILS\YJDE2C.PRG  
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG  
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG  
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\YGETTM.PRG  
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG  
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\SENDDUNX.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\SENDDUNX.Bat. This batch job may be run by selecting "Create Feedback (Send Dunn) Reminders for RCC's" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)\Maintain the Incident History Database"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
Input Parameter	ASCII parameter	Input String in batch job file: parm 1= config file, parm 2 is In_Parms, parm 3 is send dunn file build batch job. In_Parms: byte 1: U=update send dunn fields in IHDB

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase file	Incident History Incomplete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase file	Incident History Incomplete 406database

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBTEMP\RC CMMDD.TXT	ASCII	Temporary file for printing

Registry: N/A

Processor: Executable located at
\USMCC\VOL1\apps\dbpgms\SENDDUNN.EXE, runs on User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
\\Usmcc\Vol1 as both F: drive and G: drive,\\Usmcc\Vol3 as H: drive.) Run
\\Usmcc\Vol1\Apps\Source\link\ senddunn.bat to link the senddunn program.

Reference Documents: None

G.4 Edit a 121 - 243 Incident

Date: 25 Feb 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\EDIT121.EXE

Function: EDIT ihdb 121 information, allows EDIT of morning report and does additional checks

Source Code:

```
\\USMCC\VOL1APPS\SOURCE\EDIT121.PRG  
\\USMCC\VOL1APPS\SOURCE\IHGT121C.PRG  
\\USMCC\VOL1APPS\SOURCE\IHE121BK.PRG  
\\USMCC\VOL1APPS\SOURCE\CKACTPT1.PRG  
\\USMCC\VOL1APPS\SOURCE\DIS.PRG  
\\USMCC\VOL1APPS\UTILS\YDT2JDAY.PRG  
\\USMCC\VOL1APPS\UTILS\YJDT2MD.PRG  
\\USMCC\VOL1APPS\UTILS\UCHUZX.PRG  
\\USMCC\VOL1APPS\UTILS\UCHUZ1.PRG  
\\USMCC\VOL1APPS\UTILS\UNETUSE.PRG  
\\USMCC\VOL1APPS\UTILS\LOCKS.PRG  
\\USMCC\VOL1APPS\UTILS\UOBOX.PRG  
\\USMCC\VOL1APPS\UTILS\UBOX.PRG  
\\USMCC\VOL1APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\EDIT121.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\EDIT121.Bat. This batch job may be run by selecting "Edit a 121 - 243 Incident" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)\Maintain the Incident History Database"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
Input Parameter	ASCII parameter	Input String in batch job file: parm 1= config file, parm 2 is In_Parms, parm 3 is send dunn file build batch job. In_Parms: byte 1: U=update send dunn fields in IHDB
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase file	Incident History incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHADD121.DBF	Dbase file	

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBLOG.DBF	Dbase File	Log changes to IHDB121 tables.
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase File	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File .	Public relations information

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\apps\dbpgms\SENDDUNN.EXE, is run from User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
 Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
 Run \\Usmcc\Vol1\Apps\Source\link\ edit121.bat to link the edit121 program.

Reference Documents: None

G.5 Edit a 406 Incident

Date: 25 Feb 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\EDIT406.EXE

Function: EDIT ihdb 406 information, allows EDIT of morning report and does additional checks

Source Code:

```
\\USMCC\VOL1\APPS\SOURCE\EDIT406.PRG  
\\USMCC\VOL1\APPS\SOURCE\IHGT406C.PRG  
\\USMCC\VOL1\APPS\SOURCE\IHE406BK.PRG  
\\USMCC\VOL1\APPS\SOURCE\CKACTPT4.PRG  
\\USMCC\VOL1\APPS\SOURCE\DIS.PRG  
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\\USMCC\VOL1\APPS\UTILS\YJDT2MD.PRG  
\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG  
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG  
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\EDIT406.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\EDIT406.Bat. This batch job may be run by selecting "Edit a 406 Incident" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)\Maintain the Incident History Database"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase File	Incident history complete 406 database
\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File	Public relation information
\\USMCC\VOL1\APPS\DBFS\IHADD406.DBF	Dbase File	Additional (user supplied) data on sites
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database

Output Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBLOG.DBF	Dbase File	Log changes in IHDB database files.
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase File	Incident history complete 406 database
\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File	Public relation information

Registry: N/A

Processor: Executable located at:
\USMCC\VOL1\apps\dbpgms\EDIT406.EXE, runs on User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
\Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ edit406.bat to link the edit406 program.

Reference Documents: None

G.6 Input a 121- 243 MHz Incident

Date: 29 Feb 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\INPUT121.EXE

Function: input ihdb 121/243 MHz information, morning briefing data and do additional checks

Source Code: \\USMCC\VOL1\APPS\SOURCE\INPUT121.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGT121I.PRG
\\USMCC\VOL1\APPS\SOURCE\CKACTPT1.PRG
\\USMCC\VOL1\APPS\SOURCE\DIS.PRG
\\USMCC\VOL1\APPS\SOURCE\IHL121BK.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\YJDT2MD.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG

Batch File: \\USMCC\VOL1\APPS\DBPGMS\Input121.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\Input121.Bat. This batch job may be run by selecting "Input a 121- 243 MHz Incident" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)Input a 121- 243 MHz Incident"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase File .	Incident History Incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File .	Public relations information
\\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 406database
\\USMCC\VOL1\APPS\DBFS\IHADD121.DBF	Dbase file	Additional (user supplied information)

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBLOG.DBF	Dbase File	Log changes to IHDB121 tables.
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase File	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File .	Public relations information

Registry: N/A

Processor: Actual executable located at:
\USMCC\VOL1\apps\dbpgms\Input121.EXE. It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ input121.bat to link the input121 program.

Reference Documents: None

G.7 Input a 406 MHz Incident**Date:** 29 Feb 2000**Program:** \\USMCC\VOL1\APPS\DBPGMS\INPUT406.EXE**Function:** input ihdb 406 information, morning report data and do additional checks

Source Code: \\USMCC\VOL1\APPS\SOURCE\INPUT406.prg
\\USMCC\VOL1\APPS\SOURCE\IHGT406I.prg
\\USMCC\VOL1\APPS\SOURCE\DIS.prg
\\USMCC\VOL1\APPS\SOURCE\CKACTPT4.prg
\\USMCC\VOL1\APPS\SOURCE\IHL406BK.prg
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.prg
\\USMCC\VOL1\APPS\UTILS\YJDT2MD.prg
\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZX.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.prg
\\USMCC\VOL1\APPS\UTILS\UNETUSE.prg
\\USMCC\VOL1\APPS\UTILS\LOCKS.prg
\\USMCC\VOL1\APPS\UTILS\UOBOX.prg
\\USMCC\VOL1\APPS\UTILS\UBOX.prg
\\USMCC\VOL1\APPS\UTILS\USBOX.prg

Batch File: \\USMCC\VOL1\APPS\DBPGMS\INPUT406.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\INPUT406.Bat. This batch job may be run by selecting "Input a 406 MHz Incident" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)\Input a 406 MHz Incident"

DLLs: N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File .	Incident History Incomplete 406 database
\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File	Public relations information
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\\USMCC\VOL1\APPS\DBFS\IHADD406.DBF	Dbase file	Additional (user supplied information)

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBLOG.DBF	Dbase File	Log changes
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase File	Incident History complete 406 database
\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File .	Public relations information

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\apps\dbpgms\Input406.EXE, is run from User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
 Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
 Run \\Usmcc\Vol1\Apps\Source\link\ input406.bat to link the input406 program.

Reference Documents: None

G.8 **Incident Saves Count**

Date: 02 Mar 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\IHSAVCNT.EXE

Function: DISPLAYS THE SAVES COUNT REPORT.

Source Code:

```
\|USMCC\VOL1\APPS\SOURCE\IHSAVCNT.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVBG.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVRCC.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVST.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVTBR.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVTBS.PRG
\|USMCC\VOL1\APPS\SOURCE\PRSETBW.PRG
\|USMCC\VOL1\APPS\SOURCE\PRSETCOL.PRG
\|USMCC\VOL1\APPS\SOURCE\PRSETEND.PRG
\|USMCC\VOL1\APPS\SOURCE\PRSTEND2.PRG
\|USMCC\VOL1\APPS\SOURCE\PRTABEND.PRG
\|USMCC\VOL1\APPS\SOURCE\IHLOGMSG.PRG
\|USMCC\VOL1\APPS\SOURCE\IHSAVTCT.PRG
\|USMCC\VOL1\APPS\SOURCE\IHTBLCTA.PRG
\|USMCC\VOL1\APPS\SOURCE\IHTBLSUM.PRG
\|USMCC\VOL1\APPS\SOURCE\IHTBLCT1.PRG
\|USMCC\VOL1\APPS\SOURCE\IHTOTSHO.PRG
\|USMCC\VOL1\APPS\SOURCE\IHTBLINC.PRG
\|USMCC\VOL1\APPS\SOURCE\IHNEWRCC.PRG
\|USMCC\VOL1\APPS\SOURCE\IHNEWST.PRG
\|USMCC\VOL1\APPS\SOURCE\IHGETST.PRG
\|USMCC\VOL1\APPS\SOURCE\IHGETTM.PRG
\|USMCC\VOL1\APPS\SOURCE\IHMANTM.PRG
\|USMCC\VOL1\APPS\SOURCE\IHGETRCC.PRG
\|USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\|USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\|USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\|USMCC\VOL1\APPS\UTILS\USTATE.PRG
\|USMCC\VOL1\APPS\UTILS\UFHDRBG.PRG
\|USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\|USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\|USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\|USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\|USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\|USMCC\VOL1\APPS\UTILS\UBOX.PRG
\|USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\INSAVCNT.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\INSAVCNT.Bat. This batch job may be run by selecting "SAVE COUNTS" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase File	Incident History Incomplete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\USMCC\VOL1\APPS\DBFS\IHSAVCNT.DBF	Dbase file	Incident History saves counts
\USMCC\VOL1\APPS\DBFS\IHTBLDAT.DBF	Dbase file	Incident History table of saves counts

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDBLOG.DBF	Dbase File	Log changes

Registry: N/A

Processor: Executable located at:
\USMCC\VOL1\APPS\DBPGMS\IHSAVCNT.EXE, runs from User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ IHsavcnt.bat to link the ihsavcnt program.

Reference Documents: None

G.9 Activations for Registered Beacons

Date: 02 Mar 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\IHREGACT.EXE

Function: DISPLAYS THE PERCENT OF REGISTERED BEACON ACTIVATIONS.

Source Code: \\USMCC\VOL1\APPS\SOURCE\IHREGACT.PRG
\\USMCC\VOL1\APPS\SOURCE\IHRBABKG.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGETRBA.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGRARBA.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTABRBA.PRG
\\USMCC\VOL1\APPS\SOURCE\IHBMGTD.A.PRG
\\USMCC\VOL1\APPS\SOURCE\PRSETCOL.PRG
\\USMCC\VOL1\APPS\SOURCE\PRSETBW.PRG
\\USMCC\VOL1\APPS\SOURCE\PRSTEND2.PRG
\\USMCC\VOL1\APPS\SOURCE\PRSETEND.PRG
\\USMCC\VOL1\APPS\SOURCE\PRTABEND.PRG
\\USMCC\VOL1\APPS\SOURCE\PRT_CLIP.PRG (missing, only obj file available in LINK subdirectory)
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\UBDECODE.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\UFHDRBG.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG

Batch File: \\USMCC\VOL1\APPS\DBFS\IHREGACT.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\IHREGACT.Bat. This batch job may be run by selecting "Activations for Registered Beacons" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database

Output Data Files: None

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\APPS\DBPGMS\IHREGACT.EXE, runs from User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
 Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
 Run \\Usmcc\Vol1\Apps\Source\link\ ihregact.bat to link the IHRegAct program.

Reference Documents: None

G.10 Beacon Activations by Manufacturer

Date: 03 Mar 2000

Program: \\\USMCC\VOL1\APPS\DBPGMS\IHBCNACT.EXE

Function: DISPLAYS THE BEACON ACTIVATIONS BY MANUFACTURER REPORT.

Source Code:

```
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBCNACT.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBCNMBK.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMALLC.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMALLT.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMALTB.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTDA.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTMN.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTNM.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTQT.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTSM.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMNGTB.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMNVSI.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONEQ.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONG1.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMngr1.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMNGT1.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMGTYR.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMNYRG.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMNYRT.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONGD.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONGR.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONGT.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMONTB.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMUSSM.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMVITB.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMUSAC.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMsmgt.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMUSTB.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMusgr.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMindv.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMinsm.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMintb.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\IHBMINGR.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRSETCOL.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRSETBW.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRSTEND2.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRSETEND.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRTABEND.PRG  
\\USMCC\\VOL1\\APPS\\SOURCE\\PRT_CLIP.PRG  
\\USMCC\\VOL1\\APPS\\UTILS\\IHGETTM.PRG  
\\USMCC\\VOL1\\APPS\\UTILS\\IHMANTM.PRG  
\\USMCC\\VOL1\\APPS\\UTILS\\YDT2JDAY.PRG  
\\USMCC\\VOL1\\APPS\\UTILS\\USRRELM.PRG
```

\\USMCC\VOL1\APPS\UTILS\UFHDRBG.PRG
 \\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
 \\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
 \\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
 \\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
 \\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
 \\USMCC\VOL1\APPS\UTILS\UBOX.PRG
 \\USMCC\VOL1\APPS\UTILS\USBOX.PRG

Batch File: \\USMCC\VOL1\APPS\DBFS\IHBCNACT.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DPGMS\IHBCNACT.Bat. This batch job may be run by selecting "Beacon Activations by Manufacturer" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\\USMCC\VOL1\APPS\DBFS\Manu1Bcn.DBF	Dbase file	

Output Data Files: None

Registry: N/A

Processor: Executable located at:
\\USMCC\VOL1\APPS\DPGMS\IHBCNACT.EXE. It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e, Flipper 5.2

Actual COTS: Clipper Compiler 5.2e., Flipper 6.0

Installation

Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ ihbcnact.bat to link the ihbcnact program.

Reference Documents: None

G.11 Beacon Manufacturer Saves Report**Date:** 06 Mar 2000**Program:** \\USMCC\VOL1\APPS\DBPGMS\IHS406MN.EXE**Function:** DISPLAYS THE BEACON MANUFACTURER SAVES REPORT.**Source Code:**

\\USMCC\VOL1\APPS\SOURCE\IHS406MN.prg
\\USMCC\VOL1\APPS\SOURCE\IHS406GT.prg
\\USMCC\VOL1\APPS\SOURCE\IHSRPTBK.prg
\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.prg
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.prg
\\USMCC\VOL1\APPS\UTILS\YJDTE2C.prg
\\USMCC\VOL1\APPS\UTILS\IHGETTM.prg
\\USMCC\VOL1\APPS\UTILS\IHMANTM.prg
\\USMCC\VOL1\APPS\UTILS\USRRELM.prg
\\USMCC\VOL1\APPS\UTILS\UNETUSE.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZX.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.prg
\\USMCC\VOL1\APPS\UTILS\UOBOX.prg
\\USMCC\VOL1\APPS\UTILS\UOIBOX.prg
\\USMCC\VOL1\APPS\UTILS\LOCKS.prg
\\USMCC\VOL1\APPS\UTILS\UBOX.prg
\\USMCC\VOL1\APPS\UTILS\USBOX.prg

Batch File: \\USMCC\VOL1\APPS\DBFS\IHS406MN.BAT**Initiation:** This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\IHS406MN.Bat. This batch job may be run by selecting "Beacon Manufacturer Saves Report" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase file	Public relations information

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\STFILE.DBF	Dbase file	State name reference table
\USMCC\VOL1\APPS\DBFS\IHADD406.DBF	Dbase file	Additional data supplied by user

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\Public\Saves.Txt	ASCII file	Saves report

Registry: N/A

Processor: Executable located at:
\USMCC\VOL1\APPS\DBPGMS\IHS406MN.EXE. It runs on the User's PC.

Required
Operating
System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation
Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ ihs406mn.bat to link the ihs406mn program.

RefERENCE
DOCUMENTS: None

G.12 Incident Feedback by RCC**Date:** 07 Mar 2000**Program:** \USMCC\VOL1\APPS\DBPGMS\IHRCCFB.EXE**Function:** DISPLAYS THE INCIDENT HISTORY FEEDBACK BY RCC.**Source Code:**

```
\USMCC\VOL1\APPS\SOURCE\IHRCCFB.PRG
\USMCC\VOL1\APPS\SOURCE\IHGETRCC.PRG
\USMCC\VOL1\APPS\SOURCE\IHFBTBL.PRG
\USMCC\VOL1\APPS\SOURCE\IHFBTCT.PRG
\USMCC\VOL1\APPS\SOURCE\IHRCCFBG.PRG
\USMCC\VOL1\APPS\SOURCE\IHCNTALL.PRG
\USMCC\VOL1\APPS\SOURCE\IHCNT121.PRG
\USMCC\VOL1\APPS\SOURCE\IHCNT406.PRG
\USMCC\VOL1\APPS\SOURCE\PRSETCOL.PRG
\USMCC\VOL1\APPS\SOURCE\PRSTEND2.PRG
\USMCC\VOL1\APPS\SOURCE\PRSETBW.PRG
\USMCC\VOL1\APPS\SOURCE\PRTABEND.PRG
\USMCC\VOL1\APPS\SOURCE\IHTBLSUM.PRG
\USMCC\VOL1\APPS\SOURCE\IHTBLCT1.PRG
\USMCC\VOL1\APPS\SOURCE\IHTBLCTA.PRG
\USMCC\VOL1\APPS\SOURCE\IHTBLINC.PRG
\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\USMCC\VOL1\APPS\UTILS\USTATE.PRG
\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\USMCC\VOL1\APPS\UTILS\UFHDRBG.PRG
\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \USMCC\VOL1\APPS\DBFS\IHRCCFB.BAT**Initiation:** This program is initiated by running \USMCC\VOL1\APPS\DBPGMS\IHRCCFB.Bat. This batch job may be run by selecting "Incident Feedback by RCC" from the SarSat Menu, which is located in "\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase file	Incident History Incomplete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHTBLDAT.DBF	Dbase file	
\USMCC\VOL1\APPS\DBFS\IHTBLREC.DBF	Dbase file	

Output Data Files: None

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\APPS\DPGMS\IHRCCFB.EXE. It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e. Flipper Compiler 5.2e

Actual COTS: Clipper Compiler 5.2e. Flipper Compiler 6.0e

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
 Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
 \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
 Run \Usmcc\Vol1\Apps\Source\link\ihrcfb.bat to link the ihrcfb program.

Reference Documents: None

G.13 Incident History Saves Report**Date:** 08 Mar 2000**Program:** \\USMCC\VOL1\APPS\DBPGMS\IHSVSRPT.EXE**Function:** Display the Saves Report for 121 AND 406.**Source Code:**

```

\\USMCC\VOL1\APPS\SOURCE\IHSVSRPT.PRG
\\USMCC\VOL1\APPS\SOURCE\IHSRPTBK.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGT1SVS.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGT4SVS.PRG
\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.PRG
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\YJDTE2C.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG

```

Batch File: \\USMCC\VOL1\APPS\DBFS\IHSVSRPT.BAT**Initiation:** This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\IHSVSRPT.Bat. This batch job may be run by selecting "Incident History Saves Report" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase file	Incident History Incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHADD121.DBF	Dbase file	Additional user supplied information
\USMCC\VOL1\APPS\DBFS\IHADD406.DBF	Dbase file	Additional user supplied information
\USMCC\VOL1\APPS\DBFS\IHPrFile.DBF	Dbase file	Public relations information
\USMCC\VOL1\APPS\DBFS\StFile.DBF	Dbase file	States data

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\PUBLIC\SAVES.TXT	ASCII File	Saves report

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\APPS\DBPGMS\IHSVSRPT.EXE. It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
 Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
 \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
 Run \Usmcc\Vol1\Apps\Source\link\ ihsvsrpt.bat to link the ihsvsrpt program.

Reference Documents: None

G.14 Report on Beacon Signals**Date:** 09 Mar 2000**Program:** \\\USMCC\VOL1\APPS\DBPGMS\IHBCNSIG.EXE**Function:** Displays beacon activations by cause of activation.**Source Code:**

```
\\\USMCC\VOL1\APPS\SOURCE\IHBCNSIG.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHBCNTCT.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHBCNKG.PRG  
\\\USMCC\VOL1\APPS\SOURCE\PRSETCOL.PRG  
\\\USMCC\VOL1\APPS\SOURCE\PRSETBW.PRG  
\\\USMCC\VOL1\APPS\SOURCE\PRSTEND2.PRG  
\\\USMCC\VOL1\APPS\SOURCE\PRSETEND.PRG  
\\\USMCC\VOL1\APPS\SOURCE\PRTABEND.PRG  
\\\USMCC\VOL1\APPS\SOURCE\ihBCNPIE.PRG  
\\\USMCC\VOL1\APPS\SOURCE\ihBCNBAR.PRG  
\\\USMCC\VOL1\APPS\SOURCE\ihBCNTB1.PRG  
\\\USMCC\VOL1\APPS\SOURCE\ihBCNTBA.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHNWRCC.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHGETTM.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHTBLCTA.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHTBLCT1.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHTBLINC.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHTBLSUM.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHMANTM.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHGETRCC.PRG  
\\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG  
\\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\\\USMCC\VOL1\APPS\UTILS\USTATE.PRG  
\\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG  
\\\USMCC\VOL1\APPS\UTILS\UFHDRBG.PRG  
\\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG  
\\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG  
\\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG  
\\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG  
\\\USMCC\VOL1\APPS\UTILS\UBOX.PRG  
\\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\\USMCC\VOL1\APPS\DBPGMS\IHBCNSIG.BAT**Initiation:** This program is initiated by running \\\USMCC\VOL1\APPS\DBPGMS\IHBCNSIG.Bat. This batch job may be run by selecting "Report on Beacon Signals" from the SarSat Menu, which is located in "\\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase file	Incident History Incomplete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHTBLREC.DBF	Dbase file	
\USMCC\VOL1\APPS\DBFS\IHTBLDAT.DBF	Dbase file	

Output Data Files: None

Registry: N/A

Processor: Executable located at:
\USMCC\VOL1\APPS\DBPGMS\IHBCNSIG.EXE. It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ Ihbcnsig.bat to link the ihbcnsig program.

Reference Documents: None

G.15 View a 121 MHz Incident**Date:** 10 Mar 2000**Program:** \\USMCC\VOL1\apps\dbpgms\VIEW121.EXE**Function:** view 121 MHz incident history information**Source Code:**

```
\USMCC\VOL1APPS\SOURCE\VIEW121.PRG  
\USMCC\VOL1APPS\SOURCE\IHV121C.PRG  
\USMCC\VOL1APPS\SOURCE\IHV121I.PRG  
\USMCC\VOL1APPS\SOURCE\IHV121BK.PRG  
\USMCC\VOL1APPS\UTILS\YDT2JDAY.PRG  
\USMCC\VOL1APPS\UTILS\YJDT2MD.PRG  
\USMCC\VOL1APPS\UTILS\UCHUZX.PRG  
\USMCC\VOL1APPS\UTILS\UCHUZ1.PRG  
\USMCC\VOL1APPS\UTILS\UNETUSE.PRG  
\USMCC\VOL1APPS\UTILS\LOCKS.PRG  
\USMCC\VOL1APPS\UTILS\UOBOX.PRG  
\USMCC\VOL1APPS\UTILS\UBOX.PRG  
\USMCC\VOL1APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\VIEW121.BAT**Initiation:** This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\VIEW121.Bat. This batch job may be run by selecting "View a 121 MHz Incident" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase File .	Incident History Incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File	Public relations information
\\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\\USMCC\VOL1\APPS\DBFS\IHADD121.DBF	Dbase file	Additional (user supplied information)

Output Data Files: None

Registry:	N/A
Processor:	Executable located at: \\USMCC\\VOL1\\apps\\dbpgms\\VIEW121.EXE. It runs on the User's PC.
Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.
Build Procedure:	<p>Go to \\Usmcc\\Vol1\\Apps\\Source directory.</p> <p>Run \\USMCC\\VOL1\\apps\\source\\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\\Vol1\\Apps\\Source\\link\\ directory. (Required drive mapping: \\Usmcc\\Vol1 as both F: drive and G: drive, map \\Usmcc\\Vol3 as H: drive.)</p> <p>Run \\Usmcc\\Vol1\\Apps\\Source\\link\\ view121.bat to link the view121 program.</p>
Reference Documents:	None

G.16 View a 406 MHz Incident**Date: 10 Mar 2000****Program:** \\\USMCC\VOL1\apps\dbpgms\VIEW406.EXE**Function:** view 406 iMHz incident history information**Source Code:**

```
\\\USMCC\VOL1\APPS\SOURCE\VIEW406.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHV406C.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHV406I.PRG  
\\\USMCC\VOL1\APPS\SOURCE\IHV406BK.PRG  
\\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.PRG  
\\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\\\USMCC\VOL1\APPS\UTILS\YJDT2MD.PRG  
\\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG  
\\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG  
\\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG  
\\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG  
\\\USMCC\VOL1\APPS\UTILS\UBOX.PRG  
\\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\\USMCC\VOL1\APPS\DBPGMS\VIEW406.BAT**Initiation:** This program is initiated by running \\\USMCC\VOL1\APPS\DBPGMS\VIEW406.Bat. This batch job may be run by selecting "View a 406 MHz Incident" from the SarSat Menu, which is located in "\\\USMCC\library\Menu\SarMaint\Incident History Database (IHDB)"**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File .	Incident History Incomplete 406 database
\\\USMCC\VOL1\APPS\DBFS\IHPRFILE.DBF	Dbase File	Public relations information
\\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database
\\\USMCC\VOL1\APPS\DBFS\IHADD406.DBF	Dbase file	Additional (user supplied information)

Output Data Files: None

Registry:	N/A
Processor:	Executable located at: \USMCC\VOL1\apps\dbpgms\VIEW406.EXE. It runs on the User's PC.
Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.
Build Procedure:	Go to \\Usmcc\Vol1\Apps\Source directory. Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.) Run \\Usmcc\Vol1\Apps\Source\link\ view406.bat to link the view406 program.
Reference Documents:	None

G.17 **Summarize Incident History by month (IhtBlAut)** **Date:** 10 Mar 2000
Program: \\USMCC\VOL1\apps\dbpgms\IHTBLAUT.EXE
Function: THIS PROGRAM ADDS THE DATA COMPILED FOR THE SPECIFIED TIME PERIOD TO THE INCIDENT HISTORY TABLE RECORD AND DATA DATABASES.

Source Code:

```
\\\USMCC\VOL1\APPS\SOURCE\IHTBLAUT.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLBLD.PRG
\\USMCC\VOL1\APPS\SOURCE\IHLOGMSG.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLSTO.PRG
\\USMCC\VOL1\APPS\SOURCE\IHGETMON.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLBG.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLCTA.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLCT1.PRG
\\USMCC\VOL1\APPS\SOURCE\IHTBLINC.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\USTATE.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\IHTBLAUT.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBFS\INC\IHTABLES.BAT, which calls ihtblaut.bat and ihtotcnt.bat in sequence. IHTABLES.BAT normally runs as a NT schedule task on MCCWAR PC.

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase File.	Incident History Incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File.	Incident History Incomplete 406 database

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\APPS\DBFS\IHTBLCNT.DBF	Dbase File	
\USMCC\VOL1\APPS\DBFS\IHTBLREC.DBF	Dbase File	

Registry: N/A

Processor: Executable located at:
 \USMCC\VOL1\apps\dbpgms\IHTblAut.exe It runs on the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
 Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
 Run \Usmcc\Vol1\Apps\Source\link\ Ihtblaut.bat to link the IhtblAut.exe program.

Reference Documents: None

G.18 **Summarize Incident History by 6 month period (IhTotCnt)** **Date:** 10 Mar 2000
Program: \\USMCC\VOL1\apps\dbpgms\IHTOTCNT.EXE
Function: THIS PROGRAM COUNTS THE NUMBER OF SAVES FOR US AND FOREIGN BEACONS SINCE THE LAST SIX-MONTH REPORT AND STORES IT INTO THE DATABASE.

Source Code:
\\USMCC\VOL1\APPS\SOURCE\IHTOTCNT.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UBDECODE.PRG

Batch File: \\USMCC\VOL1\APPS\DBPGMS\IHTOTCNT.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBFS\INC\IHTABLES.BAT, which calls ihtblaut.bat and ihtotcnt.bat in sequence. IHTABLES.BAT normally runs as a NT schedule task on MCCWAR PC.

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB_CFG.DBF	Dbase File	Contains directory of files needed by program.

Input Data Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHDB121I.DBF	Dbase File.	Incident History Incomplete 121 database
\\USMCC\VOL1\APPS\DBFS\IHDB406I.DBF	Dbase File	Incident History Incomplete 406 database
\\USMCC\VOL1\APPS\DBFS\IHDB121C.DBF	Dbase file	Incident History complete 121 database
\\USMCC\VOL1\APPS\DBFS\IHDB406C.DBF	Dbase file	Incident History complete 406 database

Output Data Files:

Output Data	Type	Comments
\\USMCC\VOL1\APPS\DBFS\IHSAVCNT.DBF	Dbase File	Saves count database

Registry:	N/A
Processor:	Executable located at: \\USMCC\\VOL1\\apps\\dbpgms\\IHTOTCNT.exe It runs on the User's PC.
Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then it could be run from anywhere.
Build Procedure:	<p>Go to \\Usmcc\\Vol1\\Apps\\Source directory.</p> <p>Run \\USMCC\\VOL1\\apps\\source\\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\\Vol1\\Apps\\Source\\link\\ directory. (Required drive mapping: \\Usmcc\\Vol1 as both F: drive and G: drive, map \\Usmcc\\Vol3 as H: drive.)</p> <p>Run \\Usmcc\\Vol1\\Apps\\Source\\link\\ IhTOTLNK.bat to link the Ihtotcnt.exe program.</p>
Reference Documents:	None

Appendix H

Registration Database (RGDB)

H.1 Update the Registration database (Rg406Dbm)

Program RG406DBM.exe

Function Updates the registration Data Base through user interface.

Source Code

```
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RG406DBM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDTADIS,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGREPREC,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGLOGMSG,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RG_PRINT,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDISMEM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGGETSAR,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGELTFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPLBFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGEPRFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPTADD,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPTENV,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPTDEC,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDBMNBK,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDELETE,  
\\USMCC\\VOL1\\APPS\\UTILS\\LOCKS,  
\\USMCC\\VOL1\\APPS\\UTILS\\UCHUZ1,  
\\USMCC\\VOL1\\APPS\\UTILS\\UCHUZX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UNETUSE,  
\\USMCC\\VOL1\\APPS\\UTILS\\UOBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UOIBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\USBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UBDECODE
```

Batch File \\USMCC\\VOL1\\APPS\\DBPGMS\\RGDBM.Bat

Initiation This program is initiated by running \\USMCC\\VOL1\\APPS\\DBPGMS\\RGDBM.Bat. This batch job may be run by selecting “Update a 406 Beacon Registration” from the SarSat Menu, which is located in “\\USMCC\\library\\Menu\\SarMaint\\406 Registration Database”.

DLLs None

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program
\USMCC\VOL1\APPS\DBFS\AUTHUSR.SDBF	Dbase file	Lists the users authorized to use this program.

Input Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOL1\APPS\DBFS\STFILE.DBF	Dbase file	Stores the SRR related to a city/State
\USMCC\VOL1\APPS\DBFS\HOMEPORT.DBF	Dbase file	Associates SRR to homeport/state.
\USMCC\VOL1\APPS\DPGMS\RGLAB.LBL	Dbase file	Contains registration information to print on labels such as Beacon Id, Name, Address
\USMCC\VOL1\APPS\DBFS\RGPRTFLE.DBF	Dbase file	Tracks registration records to print

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOL1\APPS\DBFS\RG406LOG.DBF	Dbase file	Transaction Log
\USMCC\VOL1\APPS\DBFS\RGDbAcss.Log	ASCII file	Keeps track of users executing this program.

Registry None

Processor Executable located at \USMCC\VOL1\apps\apps
The interface can be run at the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: The batch job should point to the correct EXE and Configuration file.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated

*.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
\\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ RG406DBM.Bat to link the RG406DBM program.

**Reference
Documents:**

None

H.2 Extract data to enable Registration confirmations to be printed (RgCnfRpt).

Program RGCNFRPT.exe

Function Prints confirmation registration when the decal expiration date is approaching the current date.

Source Code

```
\USMCC\VOl1\APPS\SOURCE\LINK\RGCNFRPT,
\USMCC\VOl1\APPS\SOURCE\LINK\RGDBCNBK,
\USMCC\VOl1\APPS\SOURCE\LINK\RGEPRFRM,
\USMCC\VOl1\APPS\SOURCE\LINK\RGETFRM,
\USMCC\VOl1\APPS\SOURCE\LINK\RGPLBFRM,
\USMCC\VOl1\APPS\SOURCE\LINK\RGPRTADD,
\USMCC\VOl1\APPS\SOURCE\LINK\RG_PRINT,
\USMCC\VOl1\APPS\SOURCE\LINK\RGDISMEM,
\USMCC\VOl1\APPS\SOURCE\LINK\RGPRTDEC,
\USMCC\VOl1\APPS\SOURCE\LINK\RGPRTENV,
\USMCC\VOl1\APPS\UTILS\LOCKS,
\USMCC\VOl1\APPS\UTILS\UCHUZ1,
\USMCC\VOl1\APPS\UTILS\UCHUZX,
\USMCC\VOl1\APPS\UTILS\UNETUSE,
\USMCC\VOl1\APPS\UTILS\UOBOX,
\USMCC\VOl1\APPS\UTILS\UOIBOX,
\USMCC\VOl1\APPS\UTILS\UBOX,
\USMCC\VOl1\APPS\UTILS\USBOX,
\USMCC\VOl1\APPS\UTILS\UBDECODE
```

Batch File \USMCC\VOl1\APPS\DBPGMS\RGCNF.Bat

Initiation This program is initiated by running \USMCC\VOl1\APPS\DBPGMS\RGCNF.Bat. This batch job may be run by selecting “Decal Confirmation Mailings” from the SarSat Menu, which is located in “\USMCC\library\Menu\SarMaint\406 Registration Database”

DLLs None

Configuration Files:

File Name	Type	Comments
\USMCC\VOl1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program

Input Data Files:

File Name	Type	Type
\USMCC\VOl1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOl1\APPS\DBPGMS\RGLAB.LBL	Dbase file	Contains registration information to print on labels such as Beacon Id, Name, Address

Output Data Files:.

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOL1\APPS\DBFS\RG406LOG.DBF	Dbase file	Transaction Log
\USMCC\VOL1\APPS\DBFS\RGRDbAcss.Log	ASCII file	Keeps track of users executing this program.
\USMCC\VOL1\APPS\DBFS\RGPRTFLE.DBF	Dbase file	Tracks registration records to print

Registry None

Processor Executable located at \USMCC\VOL1\apps\dbpgms
The interface can be run at the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: The batch job should point to the correct EXE and Configuration file.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ RGCRPT.Bat to link the RGCRPT program.

Reference Documents: None

H.3 Print Registration database information (RgDUtils)

Program RGDUTILS.exe

Function Prints (Deletes) registration records as listed in the Print File:
\\USMCC\\VOL1\\APPS\\DBFS\\RGPRTFLE.DBF

Source Code

```
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDUTILS,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RG_PRINT,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDISMEM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDELETE,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGEPRFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGELTFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPLBFRM,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPRTENV,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGPRTDEC,  
\\USMCC\\VOL1\\APPS\\SOURCE\\LINK\\RGDBMNBK,  
\\USMCC\\VOL1\\APPS\\UTILS\\LOCKS,  
\\USMCC\\VOL1\\APPS\\UTILS\\UCHUZ1,  
\\USMCC\\VOL1\\APPS\\UTILS\\UCHUZX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UNETUSE,  
\\USMCC\\VOL1\\APPS\\UTILS\\UOBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UOIBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\USBOX,  
\\USMCC\\VOL1\\APPS\\UTILS\\UBDECODE
```

Batch File \\USMCC\\VOL1\\APPS\\DBPGMS\\RGUTL.Bat

Initiation This program is initiated by running \\USMCC\\VOL1\\APPS\\DBPGMS\\RGDINDTA.Bat. This batch job may be run by selecting “406 Registration Print Utilities” from the SarSat Menu, which is located in “\\USMCC\\library\\Menu\\SarMaint\\406 Registration Database”

DLLs None

Configuration Files:

File Name	Type	Comments
\\USMCC\\VOL1\\APPS\\DBFS\\RGDB_CFG.DBF	Dbase file	Directory of files needed by program
\\USMCC\\VOL1\\APPS\\DBFS\\AUTHUSR.SRS.DBF	Dbase file	Lists the users authorized to use this program.

Input Data Files:

File Name	Type	Type
\\USMCC\\VOL1\\APPS\\DBFS\\RG406DB.DBF	Dbase file	406 Registration database

File Name	Type	Type
\USMCC\VOL1\APPS\DBPGMS\RGLAB.LBL	Dbase file	Contains registration information to print on labels such as Beacon Id, Name, Address
\USMCC\VOL1\APPS\DBFS\RGPRTFLE.DBF	Dbase file	Tracks registration records to print

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOL1\APPS\DBFS\RG406LOG.DBF	Dbase file	Transaction Log for registration database
\USMCC\VOL1\APPS\DBFS\RGDbAcss.Log	ASCII file	Keeps track of users executing this program.
\USMCC\VOL1\APPS\DBFS\RGPRTFLE.DBF	Dbase file	Tracks registration records to print

Registry: None

Processor: Executable located at \USMCC\VOL1\apps\dbpgms
The interface can be run at the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: The batch job should point to the correct EXE and Configuration file.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \USMCC\Vol1\Apps\Source\Link\RGDUTILS.bat to link the RGDUUTILS program.

Reference Documents: None

H.4 Get counts of weekly decal confirmations generated (RgdGtDta)

Program RGDGTDTA.exe

Function Displays counts of weekly decal confirmation generated.

Source Code

```
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDGTDTA,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDGETWK,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDDTABK,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDMALL,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDLNALL,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDTBALL,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDMLCNF,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDLNCNF,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDTBCNF,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDMLUNS,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDLNUNS,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDTBUNS,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDMLNEW,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDLNNEW,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDTBNEW,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETCOL,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETBW,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETEND,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSTEND2,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRTABEND,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRT_CLIP,  
\\USMCC\VOL1\APPS\UTILS\IHGETTM,  
\\USMCC\VOL1\APPS\UTILS\IHMANTM,  
\\USMCC\VOL1\APPS\UTILS\UDT2JDAY,  
\\USMCC\VOL1\APPS\UTILS\USRRELM,  
\\USMCC\VOL1\APPS\UTILS\UFHDRBG,  
\\USMCC\VOL1\APPS\UTILS\UCHUZX,  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1,  
\\USMCC\VOL1\APPS\UTILS\UOBOX,  
\\USMCC\VOL1\APPS\UTILS\UOIBOX,  
\\USMCC\VOL1\APPS\UTILS\UNETUSE,  
\\USMCC\VOL1\APPS\UTILS\UBOX,  
\\USMCC\VOL1\APPS\UTILS\USBOX,  
\\USMCC\VOL1\FLIPPER6\LIBRARY\FLPDRV52
```

```
LIB \\USMCC\VOL1\FLIPPER6\LIBRARY\FLIP6,  
\\USMCC\VOL1\FLIPPER6\LIBRARY\CLIP52
```

Batch File \\USMCC\VOL1\APPS\DBPGMS\RGDGTDTA.Bat

Initiation This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\RGDINDTA.Bat. This batch job may be run by selecting “Decal Confirmation Reports” from the SarSat Menu, which is located in “\\USMCC\library\Menu\SarMaint\406 Registration Database”

DLLs None

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program
\USMCC\VOL1\APPS\FONTS	Font Files	

Input Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RGDbaCss.Log	ASCII file	Keeps track of users executing this program.

Registry None

Processor Executable located at \USMCC\VOL1\apps\dbpgms
The interface can be run at the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: The batch job should point to the correct EXE and Configuration file.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \USMCC\Vol1\Apps\Source\Link\RGDGTDTA.bat to link the RGDGTDTA program.

Reference Documents: None

H.5 Display count of beacons in Registration database (RgRecCnt).

Program RGRECCNT.exe

Function Displays the number of beacons registered in the Data Base.

Source Code

```
\USMCC\ VOL1\apps\source\link\rgRECCNT,  
\USMCC\ VOL1\APPS\UTILS\UDT2JDAY,  
\USMCC\ VOL1\APPS\UTILS\USC2DTMI,  
\USMCC\ VOL1\APPS\UTILS\UJDT2MD,  
\USMCC\ VOL1\APPS\UTILS\UDTM2SC,  
\USMCC\ VOL1\APPS\UTILS\UDT2DTMI,  
\USMCC\ VOL1\APPS\UTILS\UJDE2C,  
\USMCC\ VOL1\APPS\UTILS\UDTM2SC,  
\USMCC\ VOL1\APPS\UTILS\UOBOX,  
\USMCC\ VOL1\APPS\UTILS\USBOX,  
\USMCC\ VOL1\APPS\UTILS\UBOX,  
\USMCC\ VOL1\APPS\UTILS\UNETUSE,  
\USMCC\ VOL1\APPS\UTILS\LOCKS
```

Batch File \USMCC\ VOL1\APPS\DBPGMS\RGRECCNT.Bat

Initiation This program is initiated by running \USMCC\ VOL1\APPS\DBPGMS\RGDINDTA.Bat. This batch job may be run by selecting “Generate 406 Beacon Count” from the SarSat Menu, which is located in “\USMCC\library\Menu\SarMaint\406 Registration Database”

DLLs None

Configuration Files:

File Name	Type	Comments
\USMCC\ VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program

Input Data Files:

File Name	Type	Type
\USMCC\ VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database

Output Data Files::

File Name	Type	Type
\USMCC\ VOL1\APPS\DBFS\RGDbAcss.Log	ASCII file	Keeps track of users executing this program.

Registry None

Processor	Executable located at \\USMCC\VOL1\apps\dbpgms The interface can be run at the User's PC.
Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	The batch job should point to the correct EXE and Configuration file.
Build Procedure:	<p>Go to \\Usmcc\Vol1\Apps\Source directory.</p> <p>Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)</p> <p>Run \\USMCC\Vol1\Apps\Source\Link\RGRECCNT.bat to link the RGRECCNT program.</p>
Reference Documents:	None

H.6 Display statistics for new Registrants in the Registration database (RgDinDta).

Program RGDINDTA.exe

Function Displays the new registrant statistics for the registration data base.

Source Code

```
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDINDTA,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDINGRA,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDINTAB,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDINLIN,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETBW,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETCOL,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRSETEND,  
\\USMCC\VOL1\APPS\SOURCE\LINK\PRTABEND,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDGETWK,  
\\USMCC\VOL1\APPS\SOURCE\LINK\RGDDTABK,  
\\USMCC\VOL1\APPS\UTILS\IHGETTM,  
\\USMCC\VOL1\APPS\UTILS\IHMANTM,  
\\USMCC\VOL1\APPS\UTILS\UDT2JDAY,  
\\USMCC\VOL1\APPS\UTILS\USRRELM,  
\\USMCC\VOL1\APPS\source\LINK\UFHDRBG,  
\\USMCC\VOL1\APPS\UTILS\UCHUZX,  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1,  
\\USMCC\VOL1\APPS\UTILS\UOBOX,  
\\USMCC\VOL1\APPS\UTILS\UOIBOX,  
\\USMCC\VOL1\APPS\UTILS\UNETUSE,  
\\USMCC\VOL1\APPS\UTILS\UBOX,  
\\USMCC\VOL1\APPS\UTILS\USBOX  
FI \\USMCC\VOL1\FLIPPER6\LIBRARY\FLPDRV52  
LIB \\USMCC\VOL1\FLIPPER6\LIBRARY\FLIP6, \\USMCC\VOL1\FLIPPER6\LIBRARY\CLIP52
```

Batch File \\USMCC\VOL1\APPS\DBPGMS\RGDINDTA.Bat

Initiation This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\RGDINDTA.Bat. This batch job may be run by selecting “Registration Statistics” from the SarSat Menu, which is located in “\\USMCC\library\Menu\SarMaint\406 Registration Database”

DLLs None

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program

Input Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RGDbAccess.Log	ASCII file	Keeps track of users executing this program.

Registry	None
Processor	Executable located at \USMCC\VOL1\apps\dbpgms The interface can be run at the User's PC.
Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	The batch job should point to the correct EXE and Configuration file.
Build Procedure:	Go to \Usmcc\Vol1\Apps\Source directory. Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.) Run \USMCC\Vol1\Apps\Source\Link\RGDINDTA.bat to link the RGDINDTA program.
Reference Documents:	None

H.7 Modify the Registration database for non-standard changes (RG4DBMOD).

Program RG4DBMOD.exe

Function This program searches the registration database for a specified beacon id, vessel name or owner name, and allows the user to modify the necessary fields manually.

Source Code

```
\USMCC\VOL1\APPS\SOURCE\LINK\RG4DBMOD,  
\USMCC\VOL1\APPS\SOURCE\LINK\RGLOGMSG,  
\USMCC\VOL1\APPS\UTILS\LOCKS,  
\USMCC\VOL1\APPS\UTILS\UCHUZ1,  
\USMCC\VOL1\APPS\UTILS\UOBOX,  
\USMCC\VOL1\APPS\UTILS\UOIBOX,  
\USMCC\VOL1\APPS\UTILS\UBOX,  
\USMCC\VOL1\APPS\UTILS\USBOX,  
\USMCC\VOL1\APPS\UTILS\UNETUSE
```

Batch File \USMCC\VOL1\APPS\DBPGMS\RGMODIFY.Bat

Initiation This program is initiated by running \USMCC\VOL1\APPS\DBPGMS\RGMODIFY.Bat.

DLLs None

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program

Input Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database
\USMCC\VOL1\APPS\DBFS\RGRDbAcss.Log	ASCII file	Keeps track of users executing this program.

Registry None

Processor Executable located at \USMCC\VOL1\apps\dbpgms
The interface can be run at the User's PC.

Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	The batch job should point to the correct EXE and Configuration file.
Build Procedure:	<p>Go to \\Usmcc\Vol1\Apps\Source directory.</p> <p>Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)</p> <p>Run \\USMCC\Vol1\Apps\Source\Link\RGMOD.bat to link the RG4DBMOD program.</p>
Reference Documents:	None

H.8 Display Registration 406 count by Type (Rg406Cnt)**Program** RG406CNT.exe**Function** Displays 406 MHz registration record counts by special code programs.**Source Code**

```
\|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RG406CNT,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RG4CNTBK,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGGETMAN,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGCNTBAR,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGCNTTAB,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGCNTWRT,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGGETTYP,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ RGGETCOD,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRSETCOL,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRSETBW,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRSETEND,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRSTEND2,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRTABEND,  
 \|USMCC\ VOL1\ APPS\ SOURCE\ LINK\ PRT_CLIP,  
 \|USMCC\ VOL1\ APPS\ UTILS\ IHGETTM,  
 \|USMCC\ VOL1\ APPS\ UTILS\ IHMANTM,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UDT2JDAY,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UBDECODE,  
 \|USMCC\ VOL1\ APPS\ UTILS\ USRRELM,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UFHDRBG,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UCHUZX,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UCHUZ1,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UOBOX,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UOIBOX,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UNETUSE,  
 \|USMCC\ VOL1\ APPS\ UTILS\ UBOX,  
 \|USMCC\ VOL1\ APPS\ UTILS\ USBOX,  
 \|USMCC\ VOL1\ FLIPPER6\ LIBRARY\ FLPDRV52  
 LIB \|USMCC\ VOL1\ FLIPPER6\ LIBRARY\ FLIP6, \|USMCC\ VOL1\ FLIPPER6\ LIBRARY\ CLIP52
```

Batch File \|USMCC\ VOL1\ APPS\ DBPGMS\ RG406CNT.Bat**Initiation** This program is initiated by running \|USMCC\ VOL1\ APPS\ DBPGMS\ RG406CNT.Bat. This batch job may be run by selecting “Registration Counts” from the SarSat Menu, which is located in “\\USMCC\ library\Menu\SarMaint\406 Registration Database”**DLLs** None**Configuration Files:**

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\RGDB_CFG.DBF	Dbase file	Directory of files needed by program

Input Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\DBFS\RG406DB.DBF	Dbase file	406 Registration database

Output Data Files:

File Name	Type	Type
\USMCC\VOL1\APPS\Public\RgData.Lst	ASCII file	Beacon registration data
\USMCC\VOL1\APPS\DBFS\RGDbAcss.Log	ASCII file	Keeps track of users executing this program.

Registry None

Processor Executable located at \USMCC\VOL1\apps\dbpgms
The interface can be run at the User's PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: The batch job should point to the correct EXE and Configuration file.

Build Procedure: Run \USMCC\VOL1\apps\source\clipAdd.bat. Then compile the link file:
\USMCC\VOL1\apps\source\link\rtlink @RG406DBM.lnk
Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping:
\Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ RG406CNT.bat to link the RG406CNT program.

Reference Documents: None

Appendix I

Self-test and Monitoring Sub-system (SAMS)

This subsystem is being redesigned and baseline information will be included after the subsystem is operational.

Appendix J
LUT Monitoring Database (LMDB)

J.1 Extract Orbitography and Test beacon solution records

Program \\\McCNet\Software\UtilityCode\BeaconsConversion\BeaconsConversn.exe

Function The BeaconsConversn.exe's main function is to create daily ASCII files containing the orbitography and test beacons that are found in the Lut406Solution SQL tables.

Source Code \\\McCNet\Software\UtilityCode\BeaconsConversion\BeaconsConversion.vbp

Batch File None

Initiation Operating System NT's 'Scheduled Tasks' Application.

DLLs None

Configuration Files

File Name	Type	Comments
SystemParmCfg	SQL Table	System parameters
Alert406BcnSortCfg.	SQL Table	Beacon configuration
OperMsgCfg	SQL Table	Operator message configuration

Input Data Files:

File Name	Type	Type
Lut406Solution	SQL Table	
Lut121Header	SQL Table	
Lut406Header	SQL Table	

Output Data Files::

File Name	Type	Type
OperMsgLog	SQL table	
\\\McCNet\Software\TestData\Convert\orbgraph.DD, where DDD is the Julian Date	ASCII file	
\\\McCNet\Software\TestData\Convert\TestBcn.DD, where DDD is the Julian Date	ASCII file	
\\\USMCC\Vol1\users\mcc\sams\orbgraph.now	ASCII file	
\\\USMCC\Vol1\users\mcc\sams\TestBcn.now ow	ASCII file	

Registry	None
Processor	\McCMain1
Required Operating System	Windows NT
Required COTS	SQL ODBC Driver 6.5, VB 5.0
Actual COTS	SQL ODBC Driver 6.5, VB 5.0
Installation Procedure	Copy executable to Processor PC
Build Procedure	The application can be compiled using the software VB.
Reference Documents	\McCnet\Software\UtilityCode\BeaconsConversion\BeaconsConversn.wpd

J.2 Extract LUT Pass Completion Report records

Program	\Mccnet\Software\UtilityCode\RecordLutSum\RecordLutSum.exe
Function	The main function of the program RecordLutSum.exe is to create ASCII files stating the number of passes found in the SQL table LutPCR and other pertinent information.
Source Code	\Mccnet\Software\UtilityCode\RecordLutSum\RecordLutSum.vbp
Batch File	None
Initiation	Operating System NT's 'Scheduled Tasks' Application.
DLLs	None
Configuration Files	

File Name	Type	Comments
SystemParmCfg	SQL Table	System parameters
OperMsgCfg	SQL Table	Operator message configuration

Input Data Files:

File Name	Type	Type
LutPCR	SQL Table	
Lut406Solution	SQL Table	
Lut121Header	SQL Table	
Lut406Header	SQL Table	

Output Data Files::

File Name	Type	Type
OperMsgLog	SQL table	
\MccNet\Software\TestData\Convert\Passact.DD D, where DDD is the Julian Date	ASCII file	
\USMCC\Vol1\users\mcc\sams\Passact.now ow	ASCII file	

Registry None

Processor \McCMain1

Required Operating System	Windows NT
Required COTS	SQL ODBC Driver 6.5, VB 5.0
Actual COTS	SQL ODBC Driver 6.5, VB 5.0
Installation Procedure	Copy executable to Processor PC
Build Procedure	The application is compiled using the software VB.
Reference Documents	\\\Mcenet\Software\UtilityCode\RecordLutSum\RecordLutSum.wpd

J.3 Compute LUT Reference (Orbitography and Test) beacon location errors (LmOrbcn)

Program: \\UsMcc\Vol1\Apps\Dbpgms\Mon\LmOrbcn.EXE

Date: 29 March 2000

Function: Compute location errors for Orbitography and Test Reference beacons

Source Code: Fortran Module LMORBCN in directory \\usmcc\vol1\Apps\Fortran\Mon.
Fortran Modules IMEREPS ERELLIPS IMDIS in directory \\usmcc\vol1\Apps\Fortran\Inc.
Fortran Utility modules (UGETPRM, UGETFIL, UFILCPY, UIDT2C, UITM2C, UDTM2I, UC2RD,
UCDTM2I, UDATTM, UDATTM1, UDT2JUL, UIDT2SC, UI2C, USSBT2C, UDTM2C, UC2I,
UI2CHX, UB2CHX, URD2C, UPAD, UXMSGBD, UXMSG, UXMANT, USPACK) in directory
\\usmcc\vol1\Apps\Fortran\All.
Note that all Fortran modules have an extensions of .For; eg., LmOrbcn is named Lmorbcn.For.

Batch File: \\UsMcc\Vol1\Apps\Dbfs\Mon\LmBcnDo.Bat, which contains one batch job per type of reference beacon processed.

Initiation: The Lut Monitor beacon location error batch job (LmBcnDo.Bat) job runs daily on a timer controlled by the \\Usmcc\Vol1\Apps\Dbfs\Inc\IppDo.Bat job. The IppDo.Bat job automatically runs when the host DOS PC starts. Daily at 0630z it initiates the \\Usmcc\Vol1\Apps\Dbfs\Inc\LMDB_Xfr.Bat job, which initiates the LmBcnDo.Bat batch job.

DLLs: None

Configuration Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\LmOrbcn.Run	ASCII	
\\UsMcc\Vol1\Apps\Dbfs\Mon\Xmsg.Txt	ASCII	

Input Data Files:

File Name	Type	Comments
\\UsMcc\Vol3\Apps\Dbfs\LMCh\PassAct.New	ASCII	
\\UsMcc\Vol3\Apps\Dbfs\LMCh\OrbGraph.New	ASCII	

Output Data Files:

File Name	Type	Comments
\\UsMcc\Vol1\Apps\Dbfs\Mon\LmOrbLst.@Dy, where @DY= day of year	ASCII	
\\UsMcc\Vol3\Apps\Dbfs\LMCh\PassAct.@Dy, where @DY= day of year	ASCII	

File Name	Type	Comments
\UsMcc\Vol3\Apps\Dbfs\LmCh\OrbGraph.?Dy, where ?DY= day of year	ASCII	
\UsMcc\Vol3\Apps\Dbfs\LmCh\OrbCnout.@Dy, where @DY= day of year	ASCII	
\UsMcc\Vol3\Apps\Dbfs\LmCh\OrbcnExt.@Dy, where @DY= day of year	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Dat	ASCII	
\UsMcc\Vol1\Apps\Dbfs\Mon\XMsg.Da2	ASCII	

Registry: none

Processor: UsMcc

**Required
Operating
System:** DOS 6.0 (or higher)

Required COTS: Microsoft Fortran V.S 5.1 (or higher)

Actual COTS: Microsoft Fortran V.S 5.1

**Installation
Procedure:** Process runs on any PC with access to the associated Processor

**Build
Procedure:** From PC with appropriate Fortran compiler loaded, go to Source library where application software resides. Run Fortran.bat to set environmental variables. Run Fc.bat to compile each source module. Run LmOrbInk.bat to link the executable.

**Reference
Documents:** None

J.4 ADD DATA TO THE LMDB (LMADD)

Date: 24 Mar 2000

Program: \USMCC\VOL1\APPS\DBPGMS\LMDB\LMADD.EXE

Function: ADD DATA TO THE LMDB

Source Code:

```
\USMCC\VOL1\APPS\SOURCE\LMADD.PRG  
\USMCC\VOL1\APPS\SOURCE\LMDOWNMT.PRG  
\USMCC\VOL1\APPS\SOURCE\LMCHARGE.PRG  
\USMCC\VOL1\APPS\SOURCE\LMCOOKTM.PRG  
\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\USMCC\VOL1\APPS\UTILS\YSC2DTMI.PRG  
\USMCC\VOL1\APPS\UTILS\YJDT2MD.PRG  
\USMCC\VOL1\APPS\UTILS\YDTMI2SC.PRG  
\USMCC\VOL1\APPS\UTILS\YDT2DTMI.PRG  
\USMCC\VOL1\APPS\UTILS\YJDTE2C.PRG  
\USMCC\VOL1\APPS\UTILS\YDTM2SC.PRG  
\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
```

Batch File: \USMCC\VOL1\APPS\DBFS\IHBCNACT.BAT

Initiation: Batch Job \USMCC\VOL1\APPS\DBFS\INC\IPPDO.BAT will automatically run on MCCWAR PC whenever MCCWAR is rebooted. IPPDO.BAT will call a timer program to execute all the listed tasks scheduled in Ipp.run.

\USMCC\VOL1\APPS\DBFS\INC\LMADBCNS.BAT is scheduled to run everyday at 20:15z in Ipp.run.

\USMCC\VOL1\APPS\DBFS\INC\LMADBCNS.BAT will call the following 5 batch jobs which will call Lmadd with different configuration.

ADD LUT MONITOR DATA FOR TEST BEACONS

```
\USMCC\VOL1\apps\dbfs\lmbd\LMADDTB2.bat
```

ADD LUT MONITOR DATA FOR BENT PIPE BEACONS

```
\USMCC\VOL1\apps\dbfs\lmbd\LMADDPBX.bat
```

ADD LUT MONITOR DATA FOR ORBITOG BEACONS

```
\USMCC\VOL1\apps\dbfs\lmbd\LMADDOBX.bat
```

ADD LUT MONITOR DATA FOR BAD BEACONS

```
\USMCC\VOL1\apps\dbfs\lmbd\LMADDBAD.bat
```

ADD LUT MONITOR DATA FOR SORT BEACONS

```
\USMCC\VOL1\apps\dbfs\lmbd\LMADDSRT.bat
```

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMA DTCFG.DBF	Dbase file	Directory of files required to add LUT MONITOR DATA for test beacons
\USMCC\VOL1\APPS\DBFS\LMDB\LMA DBCFG.DBF	Dbase file	Directory of files required to add LUT MONITOR DATA for bentpipe beacons.
\USMCC\VOL1\APPS\DBFS\LMDB\LMA DDCFG.DBF	Dbase file	Directory of files required to add LUT MONITOR DATA for orbitography beacons
\USMCC\VOL1\APPS\DBFS\LMDB\LMA DACFG.DBF	Dbase file	Directory of files required to add LUT MONITOR DATA for bad beacons
\USMCC\VOL1\APPS\DBFS\LMDB\LMA DSCFG.DBF	Dbase file	Directory of files required to add LUT MONITOR DATA for sort beacons

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\LMch\SCHEDD AY.?DY, where ?DY is the Julian day	Dbase file	Pass Schedule data
\USMCC\VOL3\apps\dbfs\LMch\PASSAC T.?DY	Dbase file	Actual Pass (PCR) data
\USMCC\VOL3\apps\dbfs\LMch\ORBCN OUT.?DY	Dbase file	Orbitography summary data per Lut pass
\USMCC\VOL3\apps\dbfs\LMch\ORBCNE XT.?DY	Dbase file	Orbitography solution data

Output Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lmblog.dbf	Dbase file	Log of database changes.
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.db f	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.nt x	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_orb.nt x	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Oribt index.

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\testbcn.dbf	Dbase file	Test beacon database
\USMCC\VOL3\apps\dbfs\lmdb\tbix_slo.ntx	Dbase file	Test beacon Satellite, Lut,, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\tbix_tca.ntx	Dbase file	Test beacon tca index.
\USMCC\VOL3\apps\dbfs\lmdb\tbix_bco.ntx	Dbase file	Test beacon BeaconId, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\tbixtsl.ntx	Dbase file	Test beacon TCA, BeaconId,Satellite, Lut index.
\USMCC\VOL3\apps\dbfs\lmdb\bentpipe.dbf	Dbase file	Bentpipe beacon database
\USMCC\VOL3\apps\dbfs\lmdb\bpix_slo.ntx	Dbase file	Bentpipe beacon Satellite, Lut,, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\bpix_tca.ntx	Dbase file	Bentpipe beacon tca index.
\USMCC\VOL3\apps\dbfs\lmdb\bpix_bco.ntx	Dbase file	Bentpipe beacon BeaconId, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\bpixtsl.ntx	Dbase file	Bentpipe beacon TCA, BeaconId,Satellite, Lut index.
\USMCC\VOL3\apps\dbfs\lmdb\orbgraph.dbf	Dbase file	Orbitography beacon database
\USMCC\VOL3\apps\dbfs\lmdb\obix_slo.ntx	Dbase file	Orbitography beacon Satellite, Lut,, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\obix_tca.ntx	Dbase file	Orbitography beacon tca index.
\USMCC\VOL3\apps\dbfs\lmdb\obix_bco.ntx	Dbase file	Orbitography beacon BeaconId, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\obixtsl.ntx	Dbase file	Orbitography beacon TCA, BeaconId,Satellite, Lut index.
\USMCC\VOL3\apps\dbfs\lmdb\badbcn.dbf	Dbase file	Bad beacon database
\USMCC\VOL3\apps\dbfs\lmdb\bdix_slo.ntx	Dbase file	Bad beacon Satellite, Lut,, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\bdix_tca.ntx	Dbase file	Bad beacon tca index.
\USMCC\VOL3\apps\dbfs\lmdb\bdix_bco.ntx	Dbase file	Bad beacon BeaconId, Orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\bdixtsl.ntx	Dbase file	Bad beacon TCA, BeaconId,Satellite, Lut index.
\USMCC\VOL3\apps\dbfs\lmdb\lmdowntm.dbf	Dbase file	Lut Monitoring Downtime database

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\LMch\LMADDLS T.@DY, where @DY is the julian day.	ASCII	Log file for LmAdd process

Registry: N/A

Processor: Batch Job runs on MccWar PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then make sure on Mccwar pc the ipp.run is properly scheduled

Build Procedure: Go to \\Usmcc\Vol1\Apps\Source directory.
Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)
Run \\Usmcc\Vol1\Apps\Source\link\ LmAddLnk.bat to link the LMADD program.

Reference Documents: None

J.5 Resolve Scheduled LUT passes as successful, chargeable and excused (LmCook)

Date: 25 Mar 2000

Program: \USMCC\VOL1\APPS\DBPGMS\LMDB\LMCOOK.EXE

Function: Resolve Scheduled LUT passes as successful, chargeable and excused

Source Code:

```
\USMCC\VOL1\apps\source\LMCOOK.PRG  
\USMCC\VOL1\apps\source\LMCOOKTM.PRG  
\USMCC\VOL1\apps\source\LMDOWNNTM.PRG  
\USMCC\VOL1\apps\source\LMCHARGE.PRG  
\USMCC\VOL1\apps\utils\YDT2JDAY.PRG  
\USMCC\VOL1\apps\utils\YSC2DTMI.PRG  
\USMCC\VOL1\apps\utils\YJDT2MD.PRG  
\USMCC\VOL1\apps\utils\YDTMI2SC.PRG  
\USMCC\VOL1\apps\utils\YDT2DTMI.PRG  
\USMCC\VOL1\apps\utils\YJDTE2C.PRG  
\USMCC\VOL1\apps\utils\YDTM2SC.PRG  
\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\USMCC\VOL1\APPS\UTILS\LOCKS.prg
```

Batch File: \USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT

Initiation: Batch Job \USMCC\VOL1\APPS\DBFS\INC\IPPDO.BAT will automatically run on MCCWAR PC whenever MCCWAR is rebooted. IPPDO.BAT will call a timer program to execute all the listed tasks scheduled in Ipp.run.
\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT is scheduled to run everyday at 6:30 z in IPP.run.
\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT will call
\\USMCC\VOL1\APPS\DBFS\LMDB\LMCOOKDO.BAT

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMADDCTFG.DBF	Dbase file	Directory of files needed to run program

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\LMch\SCHEDDAY.?DY, where ?DY is the julian day.	ASCII	

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\LMch\PASSACT.?DY , where ?DY is the julian day.	ASCII	
\USMCC\VOL3\apps\dbfs\LMch\ORBCNOUT.?DY, where ?DY is the julian day.	ASCII	
\USMCC\VOL3\apps\dbfs\LMch\ORBCNEXT.?DY, where ?DY is the julian day.	ASCII	
\USMCC\VOL3\apps\dbfs\lmdb\lutmndb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmbdblog.dbf	Dbase file	Log of database changes.
\USMCC\VOL3\apps\dbfs\lmbd\lutmndb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmbd\lmdowntm.dbf	Dbase file	Lut Monitoring Downtime database
\USMCC\VOL1\USERS\MCC\LOGS\LMCOOKD.LOG	ASCII	Log when LmCook runs
\USMCC\VOL3\apps\dbfs\LMch\LMCOOKLS.?DY, where ?DY is the julian day.	ASCII	Log file for LmCook process

Registry: N/A

Processor: Batch Job runs on MccWar PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then make sure on war pc the ipp.run is properly scheduled
Build Procedure:	<p>Go to \\Usmcc\\Vol1\\Apps\\Source directory. Run \\USMCC\\VOL1\\apps\\source\\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\\Vol1\\Apps\\Source\\link\\ directory. (Required drive mapping: \\Usmcc\\Vol1 as both F: drive and G: drive, map \\Usmcc\\Vol3 as H: drive.) Run \\Usmcc\\Vol1\\Apps\\Source\\link\\ Lmcooklk.bat to link the LMCOOK program.</p>
Reference Documents:	None

J.6 Generate daily report on LUT performance (Lmdaily)

Date: 25 Mar 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\LMDB\LMDAILY.EXE

Function: Generate daily report on LUT performance

Source Code:

```
\\USMCC\VOL1\APPS\SOURCE\LINK\LMDAILY.PRG  
\\USMCC\VOL1\APPS\SOURCE\LMDAYRPT.PRG  
\\USMCC\VOL1\APPS\SOURCE\LMMPSRPT.PRG  
\\USMCC\VOL1\APPS\SOURCE\LM TTLBOX.PRG  
\\USMCC\VOL1\APPS\SOURCE\DAY_DIFF.PRG  
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG  
\\USMCC\VOL1\APPS\UTILS\YDTMI2SC.PRG  
\\USMCC\VOL1\APPS\UTILS\YJDTE2C.PRG  
\\USMCC\VOL1\APPS\UTILS\YSC2DTM.PRG  
\\USMCC\VOL1\APPS\UTILS\YDTM2SC.PRG  
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG  
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG  
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG  
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG  
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG  
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG  
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT

Initiation: Batch Job \\USMCC\VOL1\APPS\DBFS\INC\IPPDO.BAT will automatically run on MCCWAR PC whenever MCCWAR is rebooted. IPPDO.BAT will call a timer program to execute all the listed tasks scheduled in Ipp.run.
\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT is scheduled to run everyday at 0630z in IPP.run.
\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT will call
\\USMCC\VOL1\APPS\DBFS\LMDB\LMDAILY.BAT

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Directory of files required to run program
\USMCC\VOL1\APPS\DBFS\LMDB\LMDAI LY.CFG	ASCII	Get next day to process
Parameters for: \USMCC\VOL1\APPS\DBFS\LMDB\LMDAI LY.BAT	ASCII	Parameters that control program execution

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmb\lmb_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmb\lmb_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmb\lmb_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmb\lmb_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmb\lmblog.dbf	Dbase file	Log file
\USMCC\VOL1\APPS\DBFS\LMDB\LMDAI LY.CFG	ASCII	Set next day to process
\USMCC\VOL3\apps\dbfs\LMch\LMDaiS. @DY, where @DY is the julian day	ASCII	Log program execution

Registry: N/A

Processor: Batch Job runs on MccWar PC.

**Required
Operating**

System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then make sure on war pc the ipp.run is properly scheduled
Build Procedure:	<p>Go to \\Usmcc\Vol1\Apps\Source directory.</p> <p>Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)</p> <p>Run \\Usmcc\Vol1\Apps\Source\link\ Lmdaily.bat to link the LMDAILY program.</p>
Reference Documents:	None

J.7**Generate LUT monthly report for NOAA contract maintenance (LmRptMly)****Date: 25 Mar 2000****Program:** \\USMCC\VOL1\APPS\DBPGMS\LMDB\LMRPTMLY.EXE**Function:** Generate LUT monthly report for NOAA contract maintenance.**Source Code:**

```
\\USMCC\VOL1\APPS\SOURCE\LMRPTMLY.PRG
\\USMCC\VOL1\APPS\SOURCE\LMRPGTMN.PRG
\\USMCC\VOL1\APPS\SOURCE\LMMLYPSC.PRG
\\USMCC\VOL1\APPS\SOURCE\LMMLYPPR.PRG
\\USMCC\VOL1\APPS\SOURCE\LMMLYMPR.PRG
\\USMCC\VOL1\APPS\SOURCE\LMISCHRG.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\utils\YJDTETC.PRG
\\USMCC\VOL1\APPS\utils\YSC2DTM.PRG
\\USMCC\VOL1\APPS\utils\YDTM2SC.PRG
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT**Initiation:** Batch Job \\USMCC\VOL1\APPS\DBFS\INC\IPPDO.BAT will automatically run on MCCWAR PC whenever MCCWAR is rebooted. IPPDO.BAT will call a timer program to execute all the listed tasks scheduled in Ipp.run.

\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT is scheduled to run everyday at 6:30 z in Ipp.run.

\\USMCC\VOL1\APPS\DBFS\INC\LMDB_XFR.BAT will call
\\USMCC\VOL1\APPS\DBFS\LMDB\LMMONRPT.BAT

DLLs: N/A**Configuration Files:**

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Directory of files required to run program
\USMCC\VOL1\APPS\DBFS\LMDB\LMRPT CFG.DBF	Dbase file	Monthly reporting periods per LUT
\USMCC\VOL1\APPS\DBFS\LMDB\LMPRLI ST.DBF	Dbase file	LUT payment schedule
Parameters for \USMCC\VOL1\APPS\DBFS\LMDB\LMMO NRPT.BAT	ASCII	Parameters that control program execution

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMRPT CFG.DBF	Dbase file	Monthly reporting periods per LUT
\USMCC\VOL3\APPS\DBFS\LMMONTH\L MYYMM.LUT, where LUT the LUT name.	ASCII	Lut Monthly missed pass and maintenance report.
\USMCC\VOL3\APPS\DBFS\LMch\LMMON LOG.@DY, where @DY is the day of year.	ASCII	Log

Registry: N/A

Processor: Batch Job runs on MccWar PC.

Required Operating System:	MS DOS 6.0 or higher (Windows NT console)
Required COTS:	Clipper Compiler 5.2e.
Actual COTS:	Clipper Compiler 5.2e.
Installation Procedure:	Have the batch job point to the correct EXE and Configuration file, then make sure on war pc the ipp.run is properly scheduled
Build Procedure:	<p>Go to \\Usmcc\Vol1\Apps\Source directory.</p> <p>Run \\USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \\Usmcc\Vol1 as both F: drive and G: drive, map \\Usmcc\Vol3 as H: drive.)</p> <p>Run \\Usmcc\Vol1\Apps\Source\link\ Lmrptmly.bat to link the LMRPTMLY program.</p>
Reference Documents:	None

J.8 Enable NOAA to charge and excuse LUT passes (LmGovrMn)

Date: 27 Mar 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\LMDB\LMGOVRMN.EXE

Function: Enable NOAA to charge and excuse LUT passes.

Source Code:

```
\\USMCC\VOL1\APPS\SOURCE\LMGOVRMN.PRG
\\USMCC\VOL1\APPS\SOURCE\LMGGTDTA.PRG
\\USMCC\VOL1\APPS\SOURCE\LMLOGMSG.PRG
\\USMCC\VOL1\APPS\SOURCE\LMGOVRBK.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2dtmi.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\YJDTE2C.PRG
\\USMCC\VOL1\APPS\utils\YSC2DTM.PRG
\\USMCC\VOL1\APPS\utils\YDTM2SC.PRG
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBFS\LMDB\LMGOVRMN.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\LMGOVRMN.Bat. This batch job may be run by selecting "Charge Or Excuse Passes" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\LUT Monitoring Database".

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Directory of files required to run program
\\USMCC\VOL1\APPS\DBFS\AUTHUSR.SDBF	Dbase file	Verify if user has authority to run this program.

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL3\APPS\DBFS\LMDB\LMUPD LOG.DBF	Dbase file	Log updates
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring database: GOVERNMENT EXCUSE FIELD(GVMT_EX) UPDATES.

Registry: N/A

Processor: Batch Job runs on any PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then run it from any PC.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)

Run \\Usmcc\Vol1\Apps\Source\link\ LmGOVRMN.bat to link the LMGOVRMN program.

**Reference
Documents:** **None**

J.9**Enable MCC Operator to charge and excuse Lut passes (LmOperMn)****Date: 27 Mar 2000****Program:** \\USMCC\VOL1\APPS\DBPGMS\LMDB\LMOPERMN.EXE**Function:** Enable MCC Operator to charge and excuse Lut passes**Source Code:**

```

\\USMCC\VOL1\APPS\SOURCE\LMOPERMN.PRG
\\USMCC\VOL1\APPS\SOURCE\LMOINPUT.PRG
\\USMCC\VOL1\APPS\SOURCE\LMOPRDIS.PRG
\\USMCC\VOL1\APPS\SOURCE\LMOGTDTA.PRG
\\USMCC\VOL1\APPS\SOURCE\LMOPERBK.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\YJDTE2C.PRG
\\USMCC\VOL1\APPS\utils\YSC2DTM.PRG
\\USMCC\VOL1\APPS\utils\YDTM2SC.PRG
\\USMCC\VOL1\APPS\UTILS\IHGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG

```

Batch File: \\USMCC\VOL1\APPS\DBFS\LMDB\LMOPERMN.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\LMOPERMN.Bat. This batch job may be run by selecting "Log LUT Missed Passes" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\LUT Monitoring Database".

DLLs: N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Directory of files required to run program

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmbd\lutmondb.dbf	Dbase file	Lut Monitoring databases

Registry: N/A

Processor: Batch Job runs on any PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then run it from any PC.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ LmoperMN.bat to link the LMOPERMN program.

Reference Documents: None

J.10 Generate LUT availability reports**Date: 27 Mar 2000****Program:** \\USMCC\VOL1\APPS\DBPGMS\LMDB\LMAVALMN.EXE**Function:** Generate LUT availability reports**Source Code:**

```
\\USMCC\VOL1\APPS\SOURCE\LMAVALMN.PRG
\\USMCC\VOL1\APPS\SOURCE\LMAVALRP.PRG
\\USMCC\VOL1\APPS\SOURCE\LMAVALBK.PRG
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.PRG
\\USMCC\VOL1\APPS\UTILS\YJDE2C.PRG
\\USMCC\VOL1\APPS\UTILS\YSC2DTM.PRG
\\USMCC\VOL1\APPS\UTILS\YDTM2SC.PRG
\\USMCC\VOL1\APPS\UTILS\YGETTM.PRG
\\USMCC\VOL1\APPS\UTILS\IHMANTM.PRG
\\USMCC\VOL1\APPS\UTILS\USRRELM.PRG
\\USMCC\VOL1\APPS\UTILS\UNETUSE.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZX.PRG
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.PRG
\\USMCC\VOL1\APPS\UTILS\UOBOX.PRG
\\USMCC\VOL1\APPS\UTILS\UOIBOX.PRG
\\USMCC\VOL1\APPS\UTILS\LOCKS.PRG
\\USMCC\VOL1\APPS\UTILS\UBOX.PRG
\\USMCC\VOL1\APPS\UTILS\USBOX.PRG
```

Batch File: \\USMCC\VOL1\APPS\DBPGMS\LMAVAIL.BAT**Initiation:** This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\LMAVAIL.Bat. This batch job may be run by selecting "LUT 98 Availability Reports" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\LUT Monitoring Database".**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Directory of files required to run program

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\lutmondb.dbf	Dbase file	Lut Monitoring databases
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase file	LUT monitoring aos index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_los.ntx	Dbase file	LUT monitoring los index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_orb.ntx	Dbase file	LUT monitoring orbit index.
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_slo.ntx	Dbase file	LUT monitoring Satellite, Lut,, Orbit index.

Output Data Files:

File Name	Type	Comments
\USMCC\VOL1\PUBLIC\LMAVAIL.TXT	ASCII	Lut availability report

Registry: N/A

Processor: Batch Job runs on any PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then run it from any PC.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ LmavalMN.bat to link the LMAVALMN program.

Reference Documents: None

J.11 Generate LUT maintenance reports based on user criteria**Date: 27 Mar 2000****Program:** \\USMCC\VOL1\APPS\DBPGMS\LMRPTSMN.EXE**Function:** Generate LUT maintenance reports based on user criteria**Source Code:**

\\USMCC\VOL1\APPS\SOURCE\LMRPTSMN.prg
\\USMCC\VOL1\APPS\SOURCE\LMRPGTMN.prg
\\USMCC\VOL1\APPS\SOURCE\LMPREPSC.prg
\\USMCC\VOL1\APPS\SOURCE\LMPREPPR.prg
\\USMCC\VOL1\APPS\SOURCE\LMPREMPR.prg
\\USMCC\VOL1\APPS\SOURCE\LMRPTSBK.prg
\\USMCC\VOL1\APPS\SOURCE\LMISCHRG.prg
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.prg
\\USMCC\VOL1\APPS\utils\YJDTE2C.prg
\\USMCC\VOL1\APPS\utils\YSC2DTM.prg
\\USMCC\VOL1\APPS\utils\YDTM2SC.prg
\\USMCC\VOL1\APPS\UTILS\IHGETTM.prg
\\USMCC\VOL1\APPS\UTILS\IHMANTM.prg
\\USMCC\VOL1\APPS\UTILS\USRRELM.prg
\\USMCC\VOL1\APPS\UTILS\UNETUSE.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZX.prg
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.prg
\\USMCC\VOL1\APPS\UTILS\UOBOX.prg
\\USMCC\VOL1\APPS\UTILS\UOIBOX.prg
\\USMCC\VOL1\APPS\UTILS\LOCKS.prg
\\USMCC\VOL1\APPS\UTILS\UBOX.prg
\\USMCC\VOL1\APPS\UTILS\USBOX.prg

Batch File: \\USMCC\VOL1\APPS\DBPGMS\LMRPTSMX.BAT**Initiation:** This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\LMRPTSMX.Bat. This batch job may be run by selecting "LUT Maintenance Reports" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\LUT Monitoring Database".**DLLs:** N/A**Configuration Files:**

File Name	Type	Comments
\USMCC\VOL1\APPS\DBFS\LMDB\LMADDCFG.DBF	D b a s e File	Configuration list of files used by program.
\USMCC\VOL1\APPS\DBFS\LMDB\LMPRLIST.DBF	D b a s e File	Payment factor configuration

Input Data Files:

Input Data	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\LUTMONDB.DBF	Dbase File	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_aos.ntx	Dbase File index.	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_los.ntx	Dbase File index.	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_orb.ntx	Dbase File index.	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_slo.ntx	Dbase File index.	

Output Data Files:

Output Data	Type	Comments
\USMCC\VOL1\PUBLIC\LMPAYSCH.TXT	ASCII File	
\USMCC\VOL1\PUBLIC\LMMISPAS.TXT	ASCII File	

Registry: N/A

Processor: Batch Job runs on any PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation

Procedure:	Have the batch job point to the correct EXE and Configuration file, then run it from any PC.
Build Procedure:	<p>Go to \\Usmcc\\Vol1\\Apps\\Source directory.</p> <p>Run \\USMCC\\VOL1\\apps\\source\\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \\Usmcc\\Vol1\\Apps\\Source\\link\\ directory. (Required drive mapping: \\Usmcc\\Vol1 as both F: drive and G: drive, map \\Usmcc\\Vol3 as H: drive.)</p> <p>Run \\Usmcc\\Vol1\\Apps\\Source\\link\\ LmRPTSMN.bat to link the LMRPTSMN program.</p>
Reference Documents:	None

J.12 Generate LMDB statistical reports

Date: 27 Mar 2000

Program: \\USMCC\VOL1\APPS\DBPGMS\LMSTATMN.EXE

Function: Generate LMDB statistical reports

Source Code:

```
\\USMCC\VOL1\APPS\SOURCE\LMSTATMN.prg  
\\USMCC\VOL1\APPS\SOURCE\LMLOCACC.prg  
\\USMCC\VOL1\APPS\SOURCE\LMSTATBK.prg  
\\USMCC\VOL1\APPS\UTILS\YDT2JDAY.prg  
\\USMCC\VOL1\APPS\UTILS\YJDE2C.prg  
\\USMCC\VOL1\APPS\UTILS\YSC2DTM.prg  
\\USMCC\VOL1\APPS\UTILS\YDTM2SC.prg  
\\USMCC\VOL1\APPS\UTILS\IHGETTM.prg  
\\USMCC\VOL1\APPS\UTILS\IHMANTM.prg  
\\USMCC\VOL1\APPS\UTILS\USRRELM.prg  
\\USMCC\VOL1\APPS\UTILS\UNETUSE.prg  
\\USMCC\VOL1\APPS\UTILS\UCHUZX.prg  
\\USMCC\VOL1\APPS\UTILS\UCHUZ1.prg  
\\USMCC\VOL1\APPS\UTILS\UOBOX.prg  
\\USMCC\VOL1\APPS\UTILS\UOIBOX.prg  
\\USMCC\VOL1\APPS\UTILS\LOCKS.prg  
\\USMCC\VOL1\APPS\UTILS\UBOX.prg  
\\USMCC\VOL1\APPS\UTILS\USBOX.prg
```

Batch File: \\USMCC\VOL1\APPS\DBFS\LMDB\LMSTATMN.BAT

Initiation: This program is initiated by running \\USMCC\VOL1\APPS\DBPGMS\LMSTATMN.Bat. This batch job may be run by selecting "Location Accuracy" from the SarSat Menu, which is located in "\\USMCC\library\Menu\SarMaint\LUT Monitoring Database\LUT Monitoring Reports".

DLLs: N/A

Configuration Files:

File Name	Type	Comments
\\USMCC\VOL1\APPS\DBFS\LMDB\LMADD CFG.DBF	Dbase file	Configuration of files used by program

Input Data Files:

File Name	Type	Comments
\USMCC\VOL3\apps\dbfs\lmdb\LUTMONDB.DBF	Dbase file	
\USMCC\VOL3\apps\dbfs\lmdb\lmbd_aos.ntx	Dbase index	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_los.ntx	Dbase index	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_orb.ntx	Dbase index	
\USMCC\VOL3\apps\dbfs\lmbd\lmbd_slo.ntx	Dbase index	

Output Data Files:

File Name	Type	Comments
\USMCC\VOL1\PUBLIC\LMLOCACC.TXT	ASCII File	

Registry: N/A

Processor: Batch Job runs on any PC.

Required Operating System: MS DOS 6.0 or higher (Windows NT console)

Required COTS: Clipper Compiler 5.2e.

Actual COTS: Clipper Compiler 5.2e.

Installation Procedure: Have the batch job point to the correct EXE and Configuration file, then run it from any PC.

Build Procedure: Go to \Usmcc\Vol1\Apps\Source directory.
Run \USMCC\VOL1\apps\source\clipAdd.bat to set environmental variables for Clipper compile and link.. Then compile each source module using cc.bat. Move all the generated *.obj file to \Usmcc\Vol1\Apps\Source\link\ directory. (Required drive mapping: \Usmcc\Vol1 as both F: drive and G: drive, map \Usmcc\Vol3 as H: drive.)
Run \Usmcc\Vol1\Apps\Source\link\ LmSTATMN.bat to link the LMSTATMN program.

Reference Documents: None

Appendix K

406 MHz Interference Processing Sub-system (INTF)

Program	\MccMain1\Intf\intf.exe	Date: Apr 11 2000
Function	The Alert process reads input Lut and Mcc 406 MHz interference solution data from the input database tables. It then validates the data and checks the solutions to see if any should have special handling from exceptions processing. Each solution is then processed through match merge to see if the beacon should open a new Alert Site, merge to an existing site and whether and what type of message should be generated. The SRRs are found based on the beacon location. From this information, appropriate output messages with appropriate destinations are generated and placed on the output tables to be sent out.	
Source Code	The root directory for the source code is: \MccNet\SoftWare\Intf\SourceCode\. The following source files are contained in this directory:	

```
.\alertstart.cpp .\appdatastruct.cpp  
.dbalert.cpp .\appdatastruct.h  
.dbalert.h .\appfunction.cpp  
.dbusmcc.cpp .\applist.template  
.dbusmcc.h .\blockdef.h  
.dpstruct2.h .\beacon.h  
.l123sset.cpp .\cmplist123.cpp  
.l123sset.h .\cmplist123.h  
.mmfuncs.cpp .\comsitelist.cpp  
.msg00001.bin .\comsitelist.h  
.myservice.cpp .\mcctime.cpp  
.myservice.h .\mcctime.h  
.ntservapp.cpp .\missedpass.cpp  
.ntservapp.h .\mpmsgprod123.cpp  
.ntservice.cpp .\mpmsgprod123.h  
.ntservice.h .\msgprod123.cpp  
.ntservmsg.h .\msgprod123.h  
.s123set.cpp .\msgproducer.cpp  
.s123set.h .\msgproducer.h  
.secsincebstm.cpp .\msgrouter.cpp  
.secsincebstm.h .\msgrouter.h  
.sitolutdoc.cpp .\msgroutrmain.cpp  
.sitolutdoc.h .\nextpass.cpp  
.solnlistitem.cpp .\opmessage.cpp  
.solnlistitem.h .\geosort.c  
.abelist123.cpp .\geosort.h  
.abelist123.h  
.amblist123.cpp  
.amblist123.h
```

Batch File: N/A

Service Name: (Not yet implemented)

Initiation Using Windows NT Explorer on MccMain1, select Intf.exe from the C:\Intf sub-directory and double click.

DLLs N/A

Configuration Files:

File Name	Type	Comments
AlertInt4ValidationCfg	SQL Table	
Alert124FilterCfg	SQL Table	
AlertOutputMessageSitCfg	SQL Table	
ComSiteCfg	SQL Table	
LutCfg	SQL Table	
MccAlertRoutingCfg	SQL Table	
SarRoutingCfg	SQL Table	
SatCfg	SQL Table	
SystemParmCfg	SQL Table	

For purposes of listing input and output data files it is convenient to split the INTF program into two modules: INTF Processor responsible for generating alert sites and creating message types, and Message Routing responsible for determining appropriate routing and generating output messages and filling output tables. In most cases the output files for the INTF processor correspond to the input files for Message Routing.

Alert Processor -

Input Data Files:

File Name	Type	Comments
InputProcess	SQL Table	
InputMessage	SQL Table	

File Name	Type	Comments
Lut406IntSolution	SQL Table	
Sit406IntSolutionIn	SQL Table	
SitHeaderIn	SQL Table	
INTFInProcVw	SQL View	
Sit406InterfererVw	SQL View	
SiteInt4Elements	SQL View	

Output Data Files:

File Name	Type	Comments
AlertMessageType	SQL Table	
AlertSiteInt4MissedPass	SQL Table	
AlertSiteInt4Pass	SQL Table	
AlertSiteInt4Sol	SQL Table	
AlertSiteInt4SRR	SQL Table	
AlertSiteInt4Sum	SQL Table	

Message Routing-
Input Data Files:

File Name	Type	Comments
AlertMessageType	SQL Table	
AlertSiteInt4Srr	SQL Table	
AlertSiteInt4Sum	SQL Table	
AlertSiteInt4Sol	SQL Table	
AlertSiteInt4Pass	SQL Table	

File Name	Type	Comments
AlertSiteInt4MissedPass	SQL Table	
LutPassSchedule	SQL Table	

Output Data Files:

File Name	Type	Comments
OutputMessage	SQL Table	
OutputProcess	SQL Table	
Out121Solution	SQL Table	
Out121NextPass	SQL Table	
SitNarrTextOut	SQL Table	

Registry No Registry information is used.

Processor MccMain1.

Required Operating System Windows NT

Required COTS: Microsoft Visual C++ Version 5.0 (or higher)
ODBC Compliant Database
ODBC Driver ver 2.6 (or higher)

Actual COTS: Microsoft Visual C++ Version 6.0
SQL Server 6.5
ODBC Driver ver 3.6

Installation

Procedure:

The Operational host PC needs a DSN called Usmcc (pointed at MccOperational).

Installation

1. (Existing Geosort methods are under new development. As such no Geosort is used or installed for INTF processing at this time).
2. Setup DSN called Usmcc (may already be set up according for ALRT subsystem).
 - 2.1 Open Control panel
 - 2.2 Open ODBC32
 - 2.3 Choose System DSN Tab
 - 2.4 Choose Add

- 2.5 Choose SQL Server
- 2.6 Name is "USMCC"
- 2.7 Description is "INTF DSN"
- 2.8 Set Database Server to "MccDbs"
- 2.9 Set Default Database to "MccOperational"
- 2.10 Choose Test Data Source
 - 2.11 If responds "Tests Completed Successfully" Click OK. Else contact system Administrator.
- 2.12 Exit ODBC32
- 3. Copy Executable
 - 3.1 Source \\MccNet\Software\Intf\Exe\Intf.exe
 - 3.2 Destination c:\Intf\Intf.exe (create if it doesn't exist)
- 4. Run Executable
 - 4.1 Open Windows NT Explorer
 - 4.2 Go to C:\Intf sub-directory
 - 4.3 Double-click on Intf.exe

Build Procedure:

All instructions below refer to building the project in MS Visual C++ version 5.0 (or higher).
 To build the Intf Project:

- 1. Open new project.
 - 1.1 Go to menu choose File->New...
 - 1.2 Select Project tab
 - 1.3 Choose Win32 ConsoleApp
 - 1.4 Under Project Name, enter the project name (ex. Intf).
 - 1.5 Under Location enter the directory in which the project is to be built.
- 2. Add Files to Project.
 - 2.1 Copy all files from \\MccNet\SoftWare\Intf\SourceCode to your new directory..
 - 2.2 In the WorkSpace, Right click "<Project Name> Files". Select Add Files To Project.
 - 2.3 Highlight all files and click OK.
- 3. Set Project Values.
 - 3.1 Go to menu choose Project -> Settings
 - 3.2 Set RunTime Library
 - 3.4.1 Choose C++ Tab, go to pulldown menu select Code Generation
 - 3.4.2 In "Settings for" Select Win32Release
 - 3.4.2.1 In box labeled Use Run Time Libraries select Multithreaded [DLL]
 - 3.4.3 In "Settings for" Select Win32Debug
 - 3.4.3.1 In box labeled Use Run Time Libraries select Debug Multithreaded [DLL]
 - 3.5 Set link preferences
 - 3.5.1 Go to Link Tab. Un-check Link incrementally.
- 4. Build Project
 - 4.1 For Release Build: Go to main menu choose Build->Set Active Configuration

select Win32Release.

4.2 Go to main menu choose Build. Select Build <project name>. Or Rebuild All.

Reference Documents:

Interference Process Design Specification in \\mccnet\\document\\DesignDocuments\\
COSPAS-SARSAT Mission Control Centres Standard Interface Description (C/S A.002)

Appendix L

SAR MAP DISPLAY (SMAP)

Program \\\McCMain1 \\MapDisplay\\MapDisplay.exe **Date: 4-11-2000**

Function Extracts position info from Sites on SQL SERVER and display on an interactive map of the world with Sar regions overlaid.

Source Code The root directory for the source code is:
\\McCNet\\SoftWare\\MapDisplay\\SourceCode\\. The following source files are contained in this directory:

MapObjfrm.frm
PopUpInfo.frm
MapObjMod.bas
Mapbasic.bas
RegInfo.bas
McCMapObj.cls
MapInfoCallBack.cls
legend3.bmp

Batch File: N/A

Service Name: N/A

Initiation Either by double-clicking on DeskTop Icon or by using Windows NT Explorer on McCMain1 and double-clicking on mapdisplay.exe in C:\\MapDiplay sub-directory.

DLLs N/A

Configuration Files: N/A

Input Files:

Input File Name	Type	Comments
AlertSite123Sum	SQL Table	
AlertSite406Sum	SQL Table	
AlertSiteInt4Sum	SQL Table	

Output Files: None

Registry No Registry information is used.

Processor MccMain1.

Required Operating System Windows NT

Required COTS:

Microsoft Basic Version 5.0 (or higher)

ODBC Compliant Database

ODBC Driver ver 2.6 (or higher)

MapInfo 4.1 (or higher)

MapBasic 4.1 (or higher)

Actual COTS:

Microsoft Basic Version 6.0

SQL Server 6.5

ODBC Driver ver 3.6

MapInfo 4.1

MapBasic 4.1

Installation Procedure:

1. Setup DSN called MccOperational (likely to be in place for other subsystems)
 - 1.1 Open Control panel
 - 1.2 Open ODBC32
 - 1.3 Choose System DSN Tab
 - 1.4 Choose Add
 - 1.5 Choose SQL Server
 - 1.6 Name is "MccOperational"
 - 1.7 Description is "INTF DSN"
 - 1.8 Set Database Server to "MccDbs"
 - 1.9 Set Default Database to "MccOperational"
 - 1.10 Choose Test Data Source
 - 1.11 If responds "Tests Completed Successfully" Click OK. Else contact system Administrator.
 - 1.12 Exit ODBC32
2. Copy Executable
 - 2.1 Source \\MccNet\Software\MapDisplay\Exe\MapDisplay.exe
 - 2.2 Destination C:\MapDisplay\MapDisplay.exe (create if it doesn't exist)
4. Run Executable
 - 4.1 Open Windows NT Explorer
 - 4.2 Go to C:\MapDisplay sub-directory
 - 4.3 Double-click on MapDisplay.exe

Build Procedure:

All instructions below refer to building the project in MS Basic Version 5.0 (or higher). To build the MapDisplay Project:

1. Create new project.
 - 1.1 Create a directory for files as desired.
 - 1.2 Copy all files from \\MccNet\SoftWare\MapDisplay\SourceCode to your new directory..
 - 1.3 From File->New Project (or select New from Visual Basic start up option)
 - 1.4 Select Standard Exe.
 - 1.5 Remove the default form (Form1) if the software provides one.
 - 1.6 Use “Save Project as” command, give a project name (ex. MapDisplay), and select your directory.
2. Add Files to Project.
 - 2.1 Under Project Menu, Add each of the source files listed above, by type (form (*.frm), (*.bas) and class module (*.cls).
module
3. Build Project
 - 3.1 For “release” build: Select “Make <your name>.exe from File menu.
 - 3.2 For “debug” build: Select “Start with full compile” under Run menu.

Reference Documents: N/A

